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DOMINION BUREAU OF STATISTICS

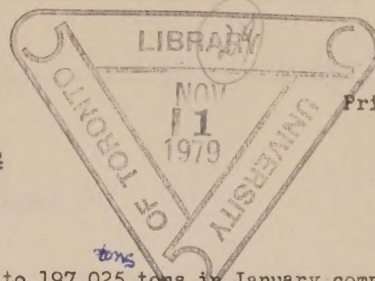
Industry and Merchandising Division

OTTAWA

UNIVERSITY OF TORONTO

DEPT. OF POLITICAL ECONOMY

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

MC28
Vol.6-No.1PRIMARY IRON AND STEELJANUARY - 1951

Price 25 cents

Pig Iron - Production of pig iron in Canada amounted to 197,025 tons in January compared with 190,432 tons in the corresponding month of last year. The total for the current month included 157,616 tons of basic iron, 26,016 tons of foundry iron and 13,393 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in January amounted to 23,079 tons compared with 15,341 tons in the previous month and with 19,961 tons in January of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel ingots and castings - Production of steel ingots and steel castings during January totalled 309,653 tons compared with 289,949 tons in January of last year. Output in the month under review included 299,410 tons of ingots and 10,243 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During January, 1950 and 1951

	January, 1950		January, 1951	
	Made(*)	Sold	Made(*)	Sold
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	151,403	9,860	157,616	6,706
Foundry	21,845	21,505	26,016	26,054
Malleable	17,184	17,082	13,393	21,095
Total Pig Iron	190,432	48,447	197,025	53,855
<u>Ferro-alloys</u> -	9,961	...	23,079	...

(*) Includes tonnage sold as shown in next column.

Table 2 - Iron Blast Furnace Charges During January, 1950 and 1951

	January, 1950	January, 1951
	(Net tons of 2,000 pounds)	
Iron ore	337,732	352,904
Mill cinder, scale, sinter, etc.	37,521	40,812
Limestone	68,696	75,756
Dolomite	13,435	12,688
Coke	178,914	187,040
Scrap iron and steel	7,323	5,773

Table 3 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
	Total	14	2,745,000

NOTE:- This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 4 - Description of Iron Blast Furnaces at end of January, 1951

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	12	2,420,950	88.2
Banked .....	...	...	...
Blown out	2	324,050	11.8
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production During January, 1950 and 1951

Table 7. Production of Iron, January, 1950 and 1951

	January, 1950		January, 1951	
	Made(*)	Sold	Made(*)	Sold
	(Net tons of 2,000 pounds)			
<u>Steel Ingots</u>				
Open hearth - basic	239,379	12,369	252,627	11,439
Electric	44,515	8,202	46,783	5,609
Total Steel Ingots	283,894	20,571	299,410	17,048
Alloy steel ingots included in above	12,748	...	18,615	983
<u>Steel Castings</u>				
Open hearth - basic	2,063	1,908	2,483	2,261
Converter	4	4	8	8
Electric	3,988	2,881	7,752	5,620
Total Steel Castings	6,055	4,793	10,243	7,889
Alloy steel castings included in above	1,290	760	1,996	757
TOTAL INGOTS AND CASTINGS	289,949	25,364	309,653	24,937

(*) Includes tonnage sold as shown in next column.

Table 6 - Pig Iron and Scrap Charged to Steel Furnaces During January, 1950 and 1951

	January, 1950	January, 1951
	(Net tons of 2,000 pounds)	
Pig iron	141,154	150,761
Scrap - Own make	84,270	88,084
Purchased	88,284	93,526

Table 7 - Steel Furnace Capacity at end of January, 1951

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel castings	303,600
Total Ingots and Castings	3,976,100

Table 8 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1950 and 1951

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
<u>1 9 5 0</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
November	208,301	16,920	279,754	9,734	289,488
December	198,169	15,341	281,474	9,768	291,242
Total	2,309,732	181,575	3,298,068	86,063	3,384,131
<u>1 9 5 1</u>					
January	197,025	23,079	299,410	10,243	309,653

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 274,607 net tons in January, 1951 compared with 211,431 tons in January, 1950. The January shipments included 7,606 tons of semi-finished shapes, 19,794 tons of structurals, 15,654 tons of plates, 24,796 tons of rails, 7,191 tons of tie plates and track material, 45,265 tons of hot rolled bars, 24,276 tons of pipes and tubes, 31,833 tons of wire rods, 28,253 tons of black sheets, 8,363 tons of galvanized sheets, 9,376 tons of castings, and 44,227 tons of other rolled products. The amount of producers' interchange was 136,010 tons in January as against 92,064 tons in January, 1950.

Of the amounts shipped for sale during January, 55,555 tons went direct to railways and railway car shops; 13,671 tons went to pressing, forming and stamping plants; 38,506 tons to merchant trade products; 35,761 tons to building construction; 26,591 tons to the containers industry; 13,765 tons to agricultural equipment; 19,529 tons to the automotive industry; 18,229 tons to machinery plants; 1,163 tons to ship-building; 13,474 tons to mining, lumbering, etc., and 2,416 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 29,326 tons, and exports for 6,621 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 136,010 tons in January, 1951.

Table 9 - Production and Producers' Shipments of Primary Iron and Steel Shapes, January, 1951

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	10,091	6,390	6,295
Other semi-finished shapes, not for re-rolling by makers	38,337	7,606	35,784
Structural shapes and piling	20,630	19,794	...
Plates	16,918	15,305	...
Rails	24,878	24,796	...
Tie plates and track material: Splice bars ...	1,260	1,347	...
Tie plates	4,714	4,418	...
Spikes	1,394	1,426	...
Concrete reinforcing bars	11,636	10,606	...
Hot rolled bars for cold finishing	986	...	987
Other hot rolled bars	44,147	38,370	8,242
Pipes and tubes	21,723	24,276	...
Wire rods	30,407	31,820	96
Hot rolled black sheets	67,975	14,679	52,396
Cold reduced black sheets	19,044	13,459	3,914
Galvanized sheets	8,571	8,363	187
Steel castings	8,029	7,417	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	61,250	32,822	27,260
Total - Carbon Steel	391,990	262,894	135,161

<u>Alloy Steel</u>			
Billets, etc., for forging	910	1,583	...
Other semi-finished shapes, not for re-rolling by makers	770	...	770
Structural shapes and piling .....	...	...	...
Plates	422	349	...
Rails .....	...	...	...
Tie plates and track material - Splice bars ..	...	...	...
Tie plates ...	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,616	6,895	79
Pipes and tubes .....	...	...	...
Wire rods	71	13	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets	191	115	...
Galvanized sheets .....	...	...	...
Steel castings	2,201	1,959	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	735	799	...
Total - Alloy Steel	11,916	11,713	849

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

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	January	
	Carbon steel (Tons of 2,000 pounds)	Alloy steel
Automotive industries	12,697	6,832
Agricultural, including farm machinery .	13,662	103
Building construction	35,656	105
Containers industry	26,586	5
Machinery and tools	17,378	851
Merchant trade products	38,263	243
Mining, lumbering, etc.	12,610	864
National defence	652	50
Pressing, forming and stamping	13,482	189
Public works and utilities	645	40
Railway operating	37,244	299
Railway cars and locomotives	17,782	230
Shipbuilding	1,130	33
Miscellaneous and unclassified	852	177
Wholesalers and warehouses	29,116	210
Direct export (a) to British Empire	314	206
(b) to other countries ...	4,825	1,276
Total Shipped for Sale	262,894	11,713
Producers' interchange	135,161	849

Commodity	Country of origin	Carbon steel	Alloy steel	Stainless steel
(Tons of 2,000 pounds)				
Pig iron -				
Basic	United States	116	...	...
Special	United States	52	...	...
Ingot	United States	4,793	19	...
Billets, blooms, slabs and sheet bars ..	United States	20	...	...
Tube rounds and tube billets	United States	452	...	...
Bars and sections -				
Hot rolled, n.o.p.	United States	1,596	401	12.3
	United Kingdom	827	32	4.4
	Belgium	1,098	...	...
	France	54	...	...
Hot rolled -				
For agricultural implements	United States	2,421	...	...
Rounds over 4½", squares over 4" ...	United States	79	6	...
	United Kingdom	27	...	...
Angles, channels, etc.	United States	497	...	4.5
	Belgium	176	...	...
	United Kingdom	95	...	.6
Structurals (bar sizes) for agri- cultural implements	United States	1,049	...	...
Sash or casement sections	United States	202	...	...
	Belgium	37	...	...
	United Kingdom	23	...	...
Cold rolled, n.o.p.	United States	458	24	3.7
	United Kingdom	699	...	1.0
Cold rolled, for agricultural implements	United States	235	2	4.0
	United Kingdom	70	...	...
Tool steel	United States	7	80	...
	United Kingdom	148	39	...
	Sweden	...	6	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1951 (Continued)

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1971 (Continued)				
Commodity	Country of origin	Carbon steel	Alloy steel	Stainless steel
(Tons of 2,000 pounds)				
Bars and sections - (concluded)				
Structurals	United States	12,214	...	.5
	United Kingdom	1,440	...	...
	Belgium	2,249	...	...
	France	103	...	...
Plates -				
78" and under in width	United States	1,983	3	41.5
	United Kingdom	2,438	...	13.0
	West Germany	209	...	...
Over 78" and under 100" in width	United States	1,071	...	1.7
	United Kingdom	2,513	...	...
100" in width and over	United States	379	...	...
Flanged, dished or curved	United States	118	...	5.2
Boiler, pulp-mill digesters	United States	608	...	.8
Chequered or surface pattern	United States	644	...	...
	United Kingdom	31	...	...
Painted	United States	2	...	...
Sheets -				
Silicon .075 or more	United States	...	2,044	...
	United Kingdom	...	154	...
Galvanized	United States	1,121	...	...
	United Kingdom	611	...	...
Hot rolled -				
18 gauge and heavier	United States	5,522	2	17.9
	Germany	165	...	...
	Belgium	35	...	...
	United Kingdom	1,277	...	50.4
	France	567	...	...
	Sweden	9	...	...
Lighter than 18 gauge	United States	665	1	3.9
	United Kingdom	71	...	.4
	Belgium	95	...	...
	France	138	...	...
For hollow ware (vitreous enamel) ..	United States	360	...	...
Corrugated	United States	438	...	...
Coated with paint, tar, asphaltum, etc.	United States	85	...	...
For saws	United States	22	93	...
	United Kingdom	...	7	...
For tubes	United States	271	...	...
Cold rolled -				
18 gauge and heavier	United States	1,369	...	102.9
	United Kingdom	148	...	...
	Belgium	28	...	...
Lighter than 18 gauge	United States	3,465	...	222.9
	United Kingdom	97	...	5.9
	Sweden	1	...	...
For hollow ware (vitreous enamel) ..	United States	1,177	...	...
	United Kingdom	25	...	...
Black plate - Tin mill	United States	11	...	...
Coated with paint, tar, asphaltum, etc.	United States	37	...	...
For heating apparatus	United States	43	...	...
For saws	United States	...	2	...
	Sweden	...	1	...
For tubes	United States	316	...	...
Tin plate--Primes	United Kingdom	31	...	...
Seconds	United Kingdom	20	...	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1951 (continued)

Commodity	Country of origin	Carbon steel	Alloy steel	Stainless steel
(Tons of 2,000 pounds)				
Sheets - (concluded)				
Terne plate--Long	United States	337	...	...
	United Kingdom	9	...	...
Short	United States	289	...	...
Strip -				
Hot rolled -				
18 gauge and heavier	United States	1,633	...	1.2
	Belgium	104	...	...
	United Kingdom	28	...	...
Lighter than 18 gauge	United States	112	...	...
For cold rolling	United States	249	...	...
Painted	United States	673	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	224	...	...
For saws	United States	19	78	...
	United Kingdom	...	1	...
For motor vehicles	United States	2,194	...	...
For hoops	United States	73	...	...
	United Kingdom	33	...	...
For tubes	United States	103	...	...
Silicon .075 or more	United States	...	432	...
Cold rolled -				
18 gauge and heavier	United Kingdom	19	...	...
	United States	477	15	15.1
Lighter than 18 gauge	United States	480	...	148.3
	Sweden	14	...	...
	United Kingdom	3	...	...
Painted	United States	304	...	...
	Germany	4	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	81	...	...
For saws	United States	8	11	...
	Sweden	...	23	...
For tubes	United States	262	...	...
For tubular products	United States	113	...	...
For butt hinges	United States	193	...	...
Silicon .075 or more	United States	...	22	...
Galvanized strip	United States	697	...	...
	United Kingdom	40	...	...
Skelp -				
15 $\frac{3}{8}$ " and under in width	United States	14,379	...	...
Over 15 $\frac{3}{8}$ " in width	United States	324	...	...
Plate	United States	212	...	...
Pipes and tubes -				
Cast				
	United States	53	...	...
	United Kingdom	852	...	...
Bedstead	United States	65	...	...
Repair of pressure parts of boilers -				
Hot finished	United States	256	14	...
	United Kingdom	74	...	...
Cold drawn	United States	20	...	...
	United Kingdom	10	...	...
Welded	United States	168	...	...
Seamless, 12" and under in diameter -				
Cold drawn	United States	361	22	14.3
	Sweden	3	...	...
	United Kingdom	226	30	25.4
Hot finished	United States	468	276	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1951 (Continued)

Commodity	Country of origin	Carbon steel	Alloy steel	Stainless steel
(Tons of 2,000 pounds)				
Pipes and tubes - (concluded)				
Seamless, over 12" in diameter -				
Hot finished	United States	66	...	...
	United Kingdom	1,008	...	...
Welded, 4" and under in diameter	United States	1,135	...	5.9
	United Kingdom	550	...	...
Welded, over 4" in diameter	United States	144	...	.1
Tubing -				
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	68	...	...
Special welded	United States	363	...	...
Casings	United States	5,589	...	...
	United Kingdom	1,678	...	...
	Germany	175	...	...
	Netherlands	35	...	...
Fittings and couplings	United States	355	...	1.9
	United Kingdom	11	...	...
Wire rope	United States	55	...	.3
	United Kingdom	164	...	...
Wire for rope	United States	471	...	...
	United Kingdom	1,024	...	...
Wire -				
For corset laces, steels, etc.	United States	15	...	...
	United Kingdom	2	...	...
For spring mattress, etc.	United States	363	...	...
	United Kingdom	7	...	...
For fencing, galvanized	United States	32	...	...
Wire cloth and netting	United States	195	...	...
	United Kingdom	61	...	...
	Germany	...	...	.3
Wire, coated	United States	66	...	...
Wire, all other	United States	489	2	3.8
	United Kingdom	6	...	...
	Germany	4	1	...
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	32	...	...
	France	223	...	...
Welding wire and welding rods	United States	33	5	14.9
	United Kingdom	...	1	36.5
Castings -				
For agricultural implements	United States	134	...	...
For ingot moulds	United States	1,188	...	...
Malleable	United States	59	...	...
Non-malleable	United States	211	...	...
Steel	United States	99	18	...
	Norway	7	...	...
For railway vehicles	United States	12	...	...
Rolls	United States	174	15	...
Piston rings (rough)	United States	25	...	...
Forgings	United States	103	133	...
	United Kingdom	236	43	...
Wheels - For railway rolling stock	United States	20	...	...
	United Kingdom	379	...	...
Tires -				
For railway rolling stock	United States	26	...	...
	United Kingdom	176	...	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1951 (Concluded)

Commodity	Country of origin	Carbon steel	Alloy steel	Stainless steel
(Tons of 2,000 pounds)				
Rails -				
60 lb. and under	United States	13	...	...
	Belgium	141	...	...
	France	67	...	...
Over 60 lb. and including 100 lb.	United States	15	...	...
Over 100 lb.	United States	1	...	...
Track material -				
Angles, bars, tie plates, rail joints.	United States	35	...	...
	Belgium	190	...	...
	France	2	...	...
	United Kingdom	335	...	...
Intersections, switches, frogs	United States	1	...	...
Total Imports	United States	80,312	3,720	627.6
	All other	23,455	338	137.9
TOTAL		103,767	4,058	765.5

Table 12 - Exports of Primary Iron and Steel, January, 1951

	January
	(Tons of 2,000 pounds)
Pig iron	16,481
Ingots, blooms and billets	9,124
Bars	2,150
Rods .....	...
Plates, sheets and strips	1,429
Rails .....	...
Structural shapes	188
Pipe and tubing - Wrought iron .....	...
Cast iron	103
Galvanized	210
Other	81
Castings, iron and steel	1,576
Forgings	64



DOMINION BUREAU OF STATISTICS

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PRIMARY IRON AND STEELFEBRUARY - 1951

Pig iron - Production of pig iron in Canada amounted to 193,227 tons in February compared with 157,200 tons in the corresponding month of last year. The total for the current month included 143,301 tons of basic iron, 28,657 tons of foundry iron and 21,269 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in February amounted to 14,914 tons compared with 19,062 tons in the previous month and with 9,652 tons in February of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel ingots and castings - Production of steel ingots and steel castings during February totalled 281,380 tons compared with 258,123 tons in February of last year. Output in the month under review included 271,222 tons of ingots and 10,158 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production and Sales During February, 1950 and 1951

	February, 1950		February, 1951	
	Tonnage made*	Tonnage sold	Tonnage made*	Tonnage sold
(net tons of 2,000 pounds)				
<u>Pig iron</u> -				
Basic	123,418	1,687	143,301	4,855
Foundry	8,301	8,151	28,657	22,750
Malleable	25,481	25,481	21,269	16,107
Total Pig Iron	157,200	35,319	193,227	43,712
<u>Ferro-alloys</u> -	9,652	...	14,914	...

* Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Sales for the Two Months Ended February, 1950 and 1951

	1950		1951	
	Tonnage made*	Tonnage sold	Tonnage made*	Tonnage sold
(net tons of 2,000 pounds)				
<u>Pig iron</u> -				
Basic	274,821	11,547	300,962	11,561
Foundry	30,146	29,656	58,690	52,332
Malleable	42,665	42,563	34,661	37,202
Total Pig Iron	347,632	83,766	394,313	101,095
<u>Ferro-alloys</u> -	19,613	...	33,976	...

* Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During February, 1950 and 1951, and Two Months Ended February, 1951

	February, 1950	February, 1951	Two months ended February, 1951
	(net tons of 2,000 pounds)		
Iron ore	295,524	333,913	686,817
Mill cinder, scale, sinter, etc.	30,606	42,572	83,384
Limestone	54,602	72,193	147,949
Dolomite	15,627	11,133	23,821
Coke	151,032	178,549	365,589
Scrap iron and steel	4,925	4,214	9,987

NOTE: This report was prepared in the Mining, Metallurgical and Chemical Section.

Primary Iron and Steel

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Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,745,000

Table 5 - Description of Iron Blast Furnaces at End of February, 1951

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	13	2,609,950	95.1
Banked .....	..	...	...
Blown out	1	135,050	4.9
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During February, 1950 and 1951

	February, 1950		February, 1951	
	Tonnage made*	Tonnage sold	Tonnage made*	Tonnage sold
(net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	212,886	10,881	227,997	8,313
Electric	39,004	5,969	43,225	4,193
Total Steel Ingots ...	251,890	16,850	271,222	12,506
Alloy steel ingots included in above	15,998	...	16,533	4,223
<u>Steel Castings</u>				
Open hearth - basic	2,042	1,881	2,635	2,445
Converter	1	...	21	19
Electric	4,190	2,928	7,502	5,553
Total Steel Castings .	6,233	4,809	10,158	8,017
Alloy steel castings included in above	1,575	965	2,204	1,057
TOTAL INGOTS AND CASTINGS.	258,123	21,659	281,380	20,523

* Includes amounts for sale and for own use.

Table 7 - Cumulative Production and Sales for the Two Months Ended February, 1950 and 1951

	1950		1951	
	Tonnage made*	Tonnage sold	Tonnage made*	Tonnage sold
(net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	452,265	23,250	480,624	19,752
Electric	83,519	14,171	90,008	9,802
Total Steel Ingots ...	535,784	37,421	570,632	29,554
Alloy steel ingots included in above	28,746	...	35,148	5,206
<u>Steel Castings</u>				
Open hearth - basic	4,105	3,789	5,118	4,706
Converter	5	4	29	27
Electric	8,178	5,809	15,254	11,173
Total Steel Castings .	12,288	9,602	20,401	15,906
Alloy steel castings included in above	2,865	1,725	4,200	1,814
TOTAL INGOTS AND CASTINGS.	548,072	47,023	591,033	45,460

* Includes amounts for sale and for own use.

Primary Iron and Steel

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Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During February, 1950 and 1951 and Two Months Ended February, 1951

	February, 1950	February, 1951	Two months ended February, 1951
	(net tons of 2,000 pounds)		
Pig iron	124,518	140,495	291,256
Scrap - Own make	73,129	76,588	164,672
Purchased	83,297	88,972	182,498

Table 9 - Steel Furnace Capacity at End of February, 1951

	Annual capacity
	(net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel castings	303,600
Total Ingots and Castings	3,976,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1950 and 1951

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(net tons of 2,000 pounds)					
<u>1 9 5 0</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
Total - Two Months	347,632	19,613	535,784	12,288	548,072
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
November	208,301	16,920	279,754	9,734	289,488
December	198,169	15,341	281,474	9,768	291,242
Total	2,309,732	181,575	3,298,068	86,063	3,384,131
<u>1 9 5 1</u>					
January	201,086*	19,062*	299,410	10,243	309,653
February	193,227	14,914	271,222	10,158	281,380
Total - Two Months	394,313	33,976	570,632	20,401	591,033

* Revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 244,601 net tons in February, 1951 compared with 198,347 tons in February, 1950. The February, 1951 shipments included 646 tons of semi-finished shapes, 16,135 tons of structurals, 20,027 tons of plates, 21,684 tons of rails, 7,762 tons of tie plates and track material, 42,278 tons of hot rolled bars, 22,095 tons of pipes and tubes, 21,322 tons of wire rods, 29,875 tons of black sheets, 7,237 tons of galvanized sheets, 9,501 tons of castings, and 42,034 tons of other rolled products. The amount of producers' interchange was 122,068 tons in February as against 114,248 tons in February, 1950.

Of the amounts shipped for sale during February, 53,517 tons went direct to railways and railway car shops; 15,023 tons went to pressing, forming and stamping plants; 28,102 tons to merchant trade products; 30,070 tons to building construction; 24,091 tons to the containers industry; 12,497 tons to agricultural equipment; 20,985 tons to the automotive industry; 11,433 tons to machinery plants; 4,291 tons to shipbuilding; 9,033 tons to mining, lumbering, etc., and 2,992 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 28,360 tons, and exports for 4,207 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 122,068 tons in February, 1951.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, February, 1951

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	8,568	3,095	5,092
Other semi-finished shapes, not for re-rolling by makers	40,126	646	36,074
Structural shapes and piling	16,687	16,135	...
Plates	20,679	19,797	...
Rails	23,979	21,684	...
Tie plates and track material: Splice bars ..	1,118	955	...
Tie plates ..	5,493	5,512	...
Spikes	1,334	1,295	...
Concrete reinforcing bars	10,055	10,821	...
Hot rolled bars for cold finishing	1,093	...	1,016
Other hot rolled bars	43,152	33,987	7,869
Pipes and tubes	21,692	22,095	2
Wire rods	22,607	21,199	...
Hot rolled black sheets	62,780	17,054	43,818
Cold reduced black sheets	16,715	12,821	4,947
Galvanized sheets	7,896	7,237	52
Steel castings	7,885	7,646	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	53,269	30,487	22,980
Total - Carbon Steel	365,128	232,466	121,850
<u>Alloy Steel</u>			
Billets, etc., for forging	857	820	...
Other semi-finished shapes, not for re-rolling by makers	215	...	215
Structural shapes and piling .....	...	...	...
Plates	141	230	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	9,179	8,291	3
Pipes and tubes .....	...	...	...
Wire rods	111	123	...
Steel castings	2,263	1,945	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	836	726	...
Total - Alloy Steel	13,602	12,135	218

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Primary Iron and Steel

- 5 -

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Two Months Ended February, 1951

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	18,659	9,485	11,387
Other semi-finished shapes, not for re-rolling by makers	78,463	816	79,294
Structural shapes and piling	37,317	35,929	...
Plates	37,597	35,102	...
Rails	48,857	46,480	...
Tie plates and track material - Splice bars ..	2,378	2,302	...
Tie plates ..	10,207	9,930	...
Spikes	2,728	2,721	...
Concrete reinforcing bars	21,691	21,427	...
Hot rolled bars for cold finishing	2,079	...	2,003
Other hot rolled bars	87,299	72,357	16,111
Pipes and tubes	43,415	46,371	2
Wire rods	53,014	53,019	96
Hot rolled black sheets	130,755	31,733	96,214
Cold reduced black sheets	35,759	26,280	8,861
Galvanized sheets	16,467	15,600	239
Steel castings	15,914	15,063	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	114,519	63,309	50,240
Total - Carbon Steel	757,118	487,924	264,447
<u>Alloy Steel</u>			
Billets, etc., for forging	1,767	2,403	...
Other semi-finished shapes, not for re-rolling by makers	985	...	985
Structural shapes and piling .....	...	...	...
Plates	563	579	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	15,795	15,186	82
Pipes and tubes .....	...	...	...
Wire rods	182	136	...
Steel castings	4,464	3,904	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	1,571	1,525	...
Total - Alloy Steel	25,518	23,848	1,067

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, February and Year to Date, 1951

	F e b r u a r y		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(tons of 2,000 pounds)			
Automotive industries	13,574	7,411	25,278	14,243
Agricultural, including farm machinery	12,200	297	24,339	400
Building construction	30,008	62	65,664	167
Containers industry	24,087	4	50,673	9
Machinery and tools	10,455	978	22,913	1,829
Merchant trade products	27,657	445	65,920	688
Mining, lumbering, etc.	8,104	929	20,714	1,793

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, February and Year to Date, 1951 (Concluded)

	F e b r u a r y		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(tons of 2,000 pounds)				
National defence	584	38	1,236	88
Pressing, forming and stamping	14,870	153	28,352	342
Public works and utilities	772	53	1,417	93
Railway operating	37,228	164	74,472	463
Railway cars and locomotives	15,548	577	33,330	807
Shipbuilding	4,261	30	5,391	63
Miscellaneous and unclassified	1,386	159	2,238	336
Wholesalers and warehouses	28,109	251	57,225	461
Direct export (a) to British Empire	532	126	846	332
(b) to other countries	3,091	458	7,916	1,734
Total Shipped for Sale	232,466	12,135	487,924	23,848
Producers' interchange	121,850	218	264,447	1,067

Table 14 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1951

Table 14 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1951							
Commodity	Country of origin	F e b r u a r y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(tons of 2,000 pounds)							
Pig iron -							
Basic	United States	84	...	...	200	...	...
Special	United States	...	...	...	52	...	...
Ingots	United States	2,582	60	...	7,375	79	...
Billets, blooms, slabs and sheet bars	United States	1	34	...	21	34	...
	United Kingdom	...	4	...	...	4	...
Tube rounds and tube billets	United States	482	...	...	934	...	...
Bars and Sections -							
Hot rolled, n.o.p.	Japan	55	...	...	55	...	...
	United States	3,141	188	13.1	4,737	589	25.4
	United Kingdom	168	18	13.3	995	50	17.7
	Belgium	1,009	...	...	2,107	...	...
	France	300	...	...	354	...	...
	Germany	416	...	...	416	...	...
Hot rolled -							
For agricultural implements ..	United States	1,080	...	...	3,501	...	...
	United Kingdom	...	...	...	...	...	...
Rounds over 4-7/8", squares over 4"	United States	25	5	...	104	11	...
	United Kingdom	67	...	...	94	...	...
Angles, channels, etc.	United States	166	...	...	663	...	4.5
	Belgium	150	...	...	326	...	...
	United Kingdom	565	...	...	660	...	.6
Structurals (bar sizes) for agricultural implements	United States	467	...	2.2	1,516	...	2.2
Sash or casement sections	United States	415	...	...	617	...	...
	Belgium	75	...	...	112	...	...
	United Kingdom	...	...	...	23	...	...
Cold rolled, n.o.p.	United States	87	42	1.7	545	66	5.4
	United Kingdom	479	...	...	1,178	...	1.0
Cold rolled, for agricultural implements	United States	213	...	...	448	2	4.0
	United Kingdom	32	...	...	102	...	...
Tool steel	United States	3	71	...	10	151	...
	United Kingdom	30	38	...	178	77	...
	Sweden	...	...	...	...	6	...

Table 14 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1951 (Continued)

Commodity	Country of origin	February			Year to date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(tons of 2,000 pounds)							
Bars and sections -- (concluded)							
Structurals	United States	11,553	...	.2	23,767	...	.7
	United Kingdom	238	...	...	1,678	...	...
	Belgium	975	...	...	3,224	...	...
	France	383	...	...	486	...	...
Plates -							
78" and under in width	United States	1,381	14	27.2	3,364	17	68.7
	United Kingdom	4,339	...	11.3	6,777	...	24.3
	Belgium	341	...	...	341	...	...
	Germany	108	...	...	317	...	...
	France	257	...	...	257	...	...
Over 78" and under 100" in width	United States	1,349	...	3.3	2,420	...	5.0
	United Kingdom	3,644	...	...	6,157	...	...
100" in width and over	United States	533	...	...	912	...	...
	United Kingdom	31	...	...	31	...	...
Flanged, dished or curved	United States	232	...	9.0	350	...	14.2
Boiler, pulp-mill digesters ...	United States	381	...	...	989	...	.8
	United Kingdom	30	...	...	30	...	...
Chequered or surface pattern ..	United States	154	...	...	798	...	...
	United Kingdom	174	...	...	205	...	...
Painted	United States	...	...	...	2	...	...
Sheets -							
Silicon .075 or more	United States	...	1,833	...	...	3,877	...
	United Kingdom	...	160	...	...	314	...
Galvanized	United States	773	...	...	1,894	...	...
	United Kingdom	319	...	...	930	...	...
Hot rolled -							
18 gauge and heavier	United States	4,488	13	29.5	10,010	15	47.4
	Germany	130	...	...	295	...	...
	France	572	...	...	1,139	...	...
	Belgium	848	...	...	883	...	...
	United Kingdom	646	...	38.3	1,923	...	88.7
	Sweden	6	...	...	15	...	...
	Japan	83	...	...	83	...	...
Lighter than 18 gauge	United States	545	...	10.1	1,210	1	14.0
	United Kingdom	52	...	7.1	123	...	7.5
	Belgium	283	...	...	378	...	...
	France	51	...	...	189	...	...
For hollow ware (vitreous enamel)	United States	201	...	...	561	...	...
	France	116	...	...	116	...	...
Corrugated	United States	289	...	...	727	...	...
	United Kingdom	56	...	...	56	...	...
Coated with paint, tar, asphaltum, etc.	United States	96	...	...	181	...	...
For saws	United States	6	125	...	28	218	...
	United Kingdom	...	4	...	...	11	...
For cold rolled strip	United States	24	...	...	24	...	...
For tubes	United States	200	...	...	471	...	...
Cold rolled -							
18 gauge and heavier	Belgium	...	...	...	28	...	...
	United States	1,004	...	73.6	2,373	...	176.5
	United Kingdom	136	...	...	284	...	...
Lighter than 18 gauge	United States	2,360	...	137.9	5,825	...	360.8
	United Kingdom	9	...	2.5	106	...	8.4
	Sweden	...	...	...	1	...	...
For hollow ware (vitreous enamel)	United States	758	...	...	1,935	...	...
	United Kingdom	433	...	...	458	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1951 (Continued)

Commodity	Country of origin	February			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(tons of 2,000 pounds)					
Sheets - (concluded)							
Cold rolled - (concluded)							
Black plate - Tin mill	United States	...	...	...	11	...	...
Coated with paint, tar, asphaltum, etc.	United States	3	...	...	40	...	...
For heating apparatus	United States	54	...	...	97	...	...
For saws	Sweden	...	...	...	...	1	...
	United States	...	3	...	...	5	...
For tubes	United States	370	...	...	686	...	...
Tin plate--Primes	United Kingdom	11	...	...	42	...	...
Seconds	United Kingdom	...	...	...	20	...	...
Terne plate--Long	United States	321	...	...	658	...	...
	United Kingdom	9	...	...	18	...	...
Short	United States	169	...	...	458	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	736	...	1.9	2,369	...	3.1
	Belgium	27	...	...	131	...	...
	United Kingdom	35	...	...	63	...	...
Lighter than 18 gauge	United States	92	...	13.5	204	...	13.5
For cold rolling	United States	80	...	...	329	...	...
	United Kingdom	1	...	...	1	...	...
Painted	United States	385	...	...	1,058	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	96	...	...	320	...	...
For saws	United States	49	22	...	68	100	...
	United Kingdom	...	...	...	...	1	...
For motor vehicles	United States	1,811	...	...	4,005	...	...
For hoops	United States	77	...	...	150	...	...
	United Kingdom	22	...	...	55	...	...
For tubular products	United States	36	...	...	36	...	...
For tubes	United States	548	...	...	651	...	...
Silicon .075 or more	United States	...	355	...	...	787	...
Cold rolled -							
18 gauge and heavier	United Kingdom	14	...	...	33	...	...
	United States	446	7	12.7	923	22	27.8
Lighter than 18 gauge	United States	580	...	109.4	1,060	...	257.7
	Sweden	37	...	...	51	...	...
	United Kingdom	...	...	...	3	...	...
Painted	United States	64	...	...	368	...	...
	Germany	10	...	...	14	...	...
	United Kingdom	7	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc. ..	United States	13	...	...	94	...	...
	United Kingdom	21	...	...	21	...	...
For saws	United States	6	...	...	14	11	...
	Sweden	...	16	...	...	39	...
For tubes	United States	408	...	...	670	...	...
	France	160	...	...	160	...	...
For tubular products	United States	67	...	.1	180	...	.1
For butt hinges	United States	74	...	...	267	...	...
Silicon .075 or more	United States	...	...	...	...	22	...
Galvanized strip	United States	341	...	...	1,038	...	...
	United Kingdom	18	...	...	58	...	...
Skelp -							
15-3/8" and under in width	United States	7,219	...	...	21,598	...	...
Over 15-3/8" in width	United States	296	...	...	620	...	...
Plate for pipe	United States	124	...	...	336	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1951 (Continued)

Commodity	Country of origin	F e b r u a r y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(tons of 2,000 pounds)					
Pipes and tubes -							
Cast	United States	189	...	...	242	...	...
	United Kingdom	250	...	...	1,102	...	...
Bedstead	United States	7	...	.2	72	...	.2
Repair of pressure parts of boilers-							
Hot finished	United States	523	14	...	779	28	...
	United Kingdom	1	...	...	75	...	...
Cold drawn	United States	46	3	...	66	3	...
	United Kingdom	40	...	...	50	...	...
	Sweden	...	...	1.7	...	...	1.7
Welded	United States	60	...	.3	228	...	.3
Seamless, 12" and under in diameter-							
Cold drawn	United States	223	15	6.5	584	37	20.8
	United Kingdom	199	...	16.5	425	30	41.9
	Sweden	11	...	...	14	...	...
Hot finished	United States	586	203	...	1,054	479	...
	United Kingdom	83	...	...	83	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	147	...	...	213	...	...
	United Kingdom	...	...	...	1,008	...	...
Welded, 4" and under in diameter .	United States	759	...	3.4	1,894	...	9.3
	United Kingdom	349	...	...	899	...	...
Welded, over 4" in diameter	United States	275	...	.5	419	...	.6
	United Kingdom	112	...	...	112	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	38	...	...	106	...	...
Spiral welded	United States	120	...	...	483	...	...
Casings	United States	3,658	...	...	9,247	...	...
	Germany	...	...	...	175	...	...
	Netherlands	...	...	...	35	...	...
	United Kingdom	330	...	...	2,008	...	...
Fittings and couplings	United States	324	...	3.2	679	...	5.1
	United Kingdom	14	...	...	25	...	...
	Germany	20	...	...	20	...	...
Wire rope							
	United States	18	...	.1	73	...	.4
	United Kingdom	97	...	...	261	...	...
	Germany	2	...	...	2	...	...
	Belgium	1	...	...	1	...	...
Wire for rope	United States	295	...	...	766	...	...
	United Kingdom	552	...	...	1,576	...	...
	Norway	30	...	...	30	...	...
Wire -							
For corset laces, steels, etc. ..	United States	10	...	...	25	...	...
	United Kingdom	2	...	...	4	...	...
For spring mattress, etc.	United States	360	...	...	723	...	...
	United Kingdom	...	...	...	7	...	...
	Czechoslovakia	21	...	...	21	...	...
For fencing, galvanized	United States	...	...	...	32	...	...
Wire cloth and netting	United States	86	...	.2	281	...	.2
	United Kingdom	22	...	...	83	...	...
	Germany	...	...	...	...	...	.3
Wire, coated	United States	81	...	...	147	...	...
	United Kingdom	41	...	...	41	...	...
Wire, all other	United States	483	1	4.3	972	3	8.1
	United Kingdom	11	...	.4	17	...	.4
	Germany	...	...	...	4	1	...
Wire rods, not over 3/8" in diameter	United States	11	...	...	43	...	...
	France	110	...	...	333	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1951 (Concluded)

Commodity	Country of origin	F e b r u a r y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(tons of 2,000 pounds)					
Welding wire and welding rods	United States	24	5	12.8	57	10	27.7
	United Kingdom	...	...	...	...	1	36.5
Castings -							
For agricultural implements	United States	141	...	...	275	...	...
For ingot moulds	United States	1,363	...	...	2,551	...	...
Malleable	United States	77	...	...	136	...	...
Non-malleable	United States	61	...	...	272	...	...
Steel	United States	53	30	...	152	48	...
	Norway	...	...	...	7	...	...
For railway vehicles	United States	2	...	...	14	...	...
Rolls	United States	247	13	...	421	28	...
Piston rings (rough)	United States	11	...	...	36	...	...
Forgings	United States	274	160	...	377	293	...
	United Kingdom	...	24	...	236	67	...
Wheels - For railway rolling stock	United States	69	...	...	89	...	...
	United Kingdom	125	...	...	504	...	...
Tires -							
For railway rolling stock	United States	...	...	...	26	...	...
	United Kingdom	116	...	...	292	...	...
Rails -							
60 lb. and under	Belgium	...	...	...	141	...	...
	United States	15	...	...	28	...	...
	France	...	...	...	67	...	...
Over 60 lb. and including 100 lb.	United States	174	...	...	189	...	...
Over 100 lb.	United States	27	...	...	28	...	...
Track material -							
Angles, bars, tie plates, rail joints	France	...	...	...	2	...	...
	Belgium	...	...	...	190	...	...
	United States	58	...	...	93	...	...
	United Kingdom	175	...	...	510	...	...
Intersections, switches, frogs	Germany	1	...	...	1	...	...
	United States	1	...	...	2	...	...
Total Imports	United States	60,434	3,216	476.9	140,746	6,936	1,104.5
	All other	20,693	264	91.1	44,148	602	229.0
TOTAL		81,127	3,480	568.0	184,894	7,538	1,333.5

Table 15 - Exports of Primary Iron and Steel, February and Year to Date, 1951

	February	Year to date
(tons of 2,000 pounds)		
Pig iron	2,654	19,135
Ingots, blooms and billets	519	9,643
Bars	653	2,803
Rods	3	3
Plates, sheets and strips	2,419	3,848
Rails .....	...	...
Structural shapes	32	220
Pipe and tubing - Wrought iron .	2,327	2,327
Cast iron	113	216
Galvanized ...	158	368
Other	9	90
Castings, iron and steel	965	2,541
Forgings	64	128
Total	9,916	41,322



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PRIMARY IRON AND STEEL

MARCH - 1951

Pig Iron - Production of pig iron in Canada amounted to 220,603 tons in March compared with 179,449 tons in the corresponding month of last year. The total for the current month included 160,937 tons of basic iron, 28,621 tons of foundry iron and 31,045 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in March amounted to 19,451 tons compared with 14,914 tons in the previous month and with 10,122 tons in March of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel ingots and castings - Production of steel ingots and steel castings during March totalled 314,826 tons compared with 294,303 tons in March of last year. Output in the month under review included 304,281 tons of ingots and 10,545 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During March 1950 and 1951

	March, 1950		March, 1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	142,064	208	160,937	7,677
Foundry	22,417	22,175	28,621	34,915
Malleable	14,968	14,847	31,045	31,069
Total Pig Iron	179,449	37,230	220,603	73,661
<u>Ferro-alloys</u> -	12,652	...	19,451	...

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Sales for the Three Months Ended March, 1950 and 1951

	1950		1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	416,885	11,755	461,899	19,238
Foundry	52,563	51,831	87,311	87,247
Malleable	57,633	57,410	65,706	68,271
Total Pig Iron	527,081	120,996	614,916	174,756
<u>Ferro-alloys</u> -	32,265	...	53,427	...

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During March 1950 and 1951 and Three Months Ended March 1951

	March, 1950	March, 1951	Three months ended March, 1951
	(Net tons of 2,000 pounds)		
Iron ore	319,990	376,563	1,063,380
Mill cinder, scale, sinter, etc. .	25,846	45,664	129,048
Limestone	66,596	79,509	227,458
Dolomite	10,508	14,320	38,141
Coke	164,017	200,270	565,859
Scrap iron and steel	6,051	4,826	14,813

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Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,745,000

Table 5 - Description of Iron Blast Furnaces at end of March, 1951

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	12	2,554,950	93.1
Banked .....	...	...	...
Blown out	2	190,050	6.9
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During March, 1950 and 1951

	March, 1950		March, 1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	243,731	9,241	257,138	16,986
Electric	43,988	5,483	47,143	7,057
Total Steel Ingots	287,719	14,724	304,281	24,043
Alloy steel ingots included in above	22,597	...	16,293	...
<u>Steel Castings</u>				
Open hearth - basic	1,568	1,352	2,603	2,409
Converter	2	...	8	8
Electric	5,014	3,684	7,934	6,008
Total Steel Castings	6,584	5,036	10,545	8,425
Alloy steel castings included in above	1,648	1,001	2,206	1,225
TOTAL INGOTS AND CASTINGS	294,303	19,760	314,826	32,468

(★) Includes amounts for sale and for own use.

Table 7 - Cumulative Production and Sales for the Three Months Ended March 1950 and 1951

	1950		1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
<u>Steel Ingots</u>				
Open hearth - basic	695,996	32,491	737,762	36,738
Electric	127,507	19,654	137,151	16,859
Total Steel Ingots	823,503	52,145	874,913	53,597
Alloy steel ingots included in above	51,343	...	51,441	5,206
<u>Steel Castings</u>				
Open hearth - basic	5,673	5,141	7,721	7,115
Converter	7	4	37	35
Electric	13,192	9,493	23,188	17,181
Total Steel Castings	18,872	14,638	30,946	24,331
Alloy steel castings included in above	4,513	2,726	6,406	3,039
TOTAL INGOTS AND CASTINGS	842,375	66,783	905,859	77,928

(★) Includes amounts for sale and for own use.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During March 1950 and 1951 and Three Months Ended March, 1951.

	March, 1950	March, 1951	Three months ended March, 1951
Pig iron	140,528	160,063	451,319
Scrap - Own make	88,718	91,253	255,925
Purchased	88,204	92,340	274,838

Table 9 - Steel Furnace Capacity at end of March, 1951

	Annual Capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel castings	303,600
Total Ingots and Castings	3,976,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1950 and 1951

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
1 9 5 0					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
November	208,301	16,920	279,754	9,734	289,488
December	198,169	15,341	281,474	9,768	291,242
Total	2,309,732	181,575	3,298,068	86,063	3,384,131
1 9 5 1					
January	201,086(★)	19,062(★)	299,410	10,243	309,653
February	193,227	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
Total - Three Months	614,916	53,427	874,913	30,946	905,859

(★) Revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 266,769 net tons in March, 1951 compared with 358,956 tons in March, 1950. The March shipments included 318 tons of semi-finished shapes, 15,778 tons of structurals, 20,218 tons of plates, 22,039 tons of rails, 9,692 tons of tie plates and track material, 49,902 tons of hot rolled bars, 20,985 tons of pipes and tubes, 26,357 tons of wire rods, 32,351 tons of black sheets, 10,408 tons of galvanized sheets, 10,627 tons of castings, and 43,841 tons of other rolled products. The amount of producers' interchange was 150,089 tons in March, 1951 as against 111,798 tons in March, 1950.

Of the amounts shipped for sale during March, 55,870 tons went direct to railways and railway car shops; 17,050 tons went to pressing, forming and stamping plants; 35,677 tons to merchant trade products; 34,776 tons to building construction; 23,562 tons to the containers industry; 13,865 tons to agricultural equipment; 21,591 tons to the automotive industry; 12,781 tons to machinery plants; 3,632 tons to shipbuilding; 10,557 tons to mining, lumbering, etc., and 5,301 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 30,121 tons, and exports for 1,986 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 150,089 tons in March, 1951.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, March, 1951

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	9,042	3,605	6,194
Other semi-finished shapes, not for re-rolling by makers	53,150	318	49,947
Structural shapes and piling	17,860	15,778	...
Plates	19,626	20,071	...
Rails	23,432	22,039	...
Tie plates and track material: Splice bars ...	746	1,049	...
Tie plates	7,274	7,250	...
Spikes	1,290	1,393	...
Concrete reinforcing bars	12,321	10,832	...
Hot rolled bars for cold finishing	1,240	...	1,339
Other hot rolled bars	52,012	42,609	8,624
Pipes and tubes	20,105	20,985	1
Wire rods	25,388	26,252	24
Hot rolled black sheets	72,622	19,570	54,527
Cold reduced black sheets	18,073	12,781	4,558
Galvanized sheets	9,656	10,408	...
Steel castings	8,342	8,585	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	58,831	32,202	24,822
Total - Carbon Steel	411,010	255,727	150,036
<u>Alloy Steel</u>			
Billets, etc., for forging	1,083	648	53
Other semi-finished shapes, not for re-rolling by makers .....	...	...	...
Structural shapes and piling .....	...	...	...
Plates	122	147	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,669	7,293	...
Pipes and tubes .....	...	...	...
Wire rods	155	105	...
Steel castings	2,217	2,042	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	869	807	...
Total - Alloy Steel	11,115	11,042	53

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Three Months Ended March, 1951.

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	27,701	13,090	17,581
Other semi-finished shapes, not for re-rolling by makers	131,613	1,134	129,241
Structural shapes and piling	55,177	51,707	...
Plates	57,223	55,173	...
Rails	72,289	68,519	...
Tie plates and track material - Splice bars ..	3,124	3,351	...
Tie plates ...	17,481	17,180	...
Spikes	4,018	4,114	...
Concrete reinforcing bars	34,012	32,259	...
Hot rolled bars for cold finishing	3,319	...	3,342
Other hot rolled bars	139,311	114,966	24,735
Pipes and tubes	63,520	67,356	3
Wire rods	78,402	79,271	120
Hot rolled black sheets	203,377	51,303	150,741
Cold reduced black sheets	53,832	39,061	13,419
Galvanized sheets	26,123	26,008	239
Steel castings	24,256	23,648	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	173,350	95,511	75,062
Total - Carbon Steel	1,168,128	743,651	414,483
<u>Alloy Steel</u>			
Billets, etc., for forging	2,850	3,051	53
Other semi-finished shapes, not for re-rolling by makers	985	...	985
Structural shapes and piling .....	...	...	...
Plates	685	726	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	22,464	22,479	82
Pipes and tubes .....	...	...	...
Wire rods	337	241	...
Steel castings	6,681	5,946	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	2,631	2,447	...
Total - Alloy Steel	36,633	34,890	1,120

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, March and Year to Date, 1951.

	M a r c h		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	14,499	7,092	39,777	21,335
Agricultural, including farm machinery .	13,705	160	38,044	560
Building construction	34,690	86	100,354	253
Containers industry	23,553	9	74,226	18
Machinery and tools	11,715	1,066	34,628	2,895
Merchant trade products	35,354	323	101,274	1,011
Mining, lumbering, etc.	9,639	918	30,353	2,711
National defence	1,524	36	2,760	124
Pressing, forming and stamping	16,770	280	45,122	622
Public works and utilities	1,105	52	2,522	145
Railway operating	38,403	134	112,875	597
Railway cars and locomotives	17,219	114	50,549	921
Shipbuilding	3,602	30	8,993	93
Miscellaneous and unclassified	2,330	254	4,568	590
Wholesalers and warehouses	29,956	165	87,181	626
Direct export (a) to British Empire	52	48	898	380
(b) to other countries ...	1,611	275	9,527	2,009
Total Shipped for Sale	255,727	11,042	743,651	34,890
Producers' interchange	150,036	53	414,483	1,120

Table 14 - Imports of Primary Forms of Iron and Steel, March and Year to Date, 1951

Commodity	Country of origin	M a r c h			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	170	...	...	370	...	...
Special	United States	246	...	...	298	...	...
Ingots	United States	12,882	...	...	20,257	79	...
Billets, blooms, slabs and sheet bars.	United States	7	56	...	28	90	...
	United Kingdom	...	...	...	...	4	...
Tube rounds and tube billets	United States	1,007	...	...	1,941	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	2,889	416	11.7	7,626	1,005	37.1
	United Kingdom	667	70	.4	1,662	120	18.1
	Belgium	1,092	...	...	3,199	...	...
	France	369	...	...	723	...	...
	Japan	...	...	...	55	...	...
	Germany	669	...	...	1,085	...	...
Hot rolled -							
For agricultural implements	United States	1,309	...	...	4,810	...	...
Rounds over 4 $\frac{7}{8}$ " , squares over 4" .	United States	96	...	...	200	11	...
	United Kingdom	89	8	...	183	8	...
Angles, channels, etc.	United States	288	...	1.8	951	...	6.3
	Belgium	491	...	...	817	...	...
	United Kingdom	544	...	...	1,204	...	.6
	France	199	...	...	199	...	...
Structurals (bar sizes) for agri- cultural implements	United States	860	...	...	2,376	...	2.2
	United States	191	...	...	808	...	...
Sash or casement sections	Belgium	...	...	...	112	...	...
	United Kingdom	...	...	...	23	...	...
	United States	422	14	4.3	967	80	9.7
Cold rolled, n.o.p.	United States	288	7	.6	1,466	7	1.6
	United Kingdom	288	7	.6	1,466	7	1.6
Cold rolled, for agricultural							
implements	United States	282	...	...	730	2	4.0
	United Kingdom	10	...	...	112	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, March and Year to Date, 1951 (Continued)

Commodity	Country of origin	M a r c h			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (concluded)							
Tool steel	United States	12	67	...	22	218	...
	United Kingdom	104	58	...	282	135	...
	Sweden	...	...	...	...	6	...
Structurals	United States	12,806	...	...	36,573	...	.7
	United Kingdom	2,522	...	...	4,200	...	...
	Belgium	1,540	...	...	4,764	...	...
	France	70	...	...	556	...	...
Plates -							
78" and under in width	United States	2,054	30	35.9	5,418	47	104.6
	United Kingdom	2,567	...	.4	9,344	...	24.7
	Germany	116	...	...	433	...	...
	France	770	...	...	1,027	...	...
	Belgium	321	...	...	662	...	...
Over 78" and under 100" in width ...	United States	1,312	...	.4	3,732	...	5.4
	United Kingdom	4,065	...	...	10,222	...	...
	Belgium	193	...	...	193	...	...
100" in width and over	United States	474	...	...	1,386	...	...
	United Kingdom	...	...	...	31	...	...
Flanged, dished or curved	United States	86	...	.3	436	...	14.5
Boiler, pulp-mill digesters	United States	382	...	...	1,371	...	.8
	United Kingdom	112	...	...	142	...	...
Chequered or surface pattern	United States	461	...	...	1,259	...	...
	United Kingdom	71	...	...	276	...	...
Painted	United States	...	...	...	2	...	...
Sheets -							
Silicon .075 or more	United States	...	2,129	...	...	6,006	...
	United Kingdom	...	1	...	...	315	...
Galvanized	United States	863	...	...	2,757	...	...
	United Kingdom	309	...	...	1,239	...	...
	France	111	...	...	111	...	...
Hot rolled -							
18 gauge and heavier	United States	4,670	45	10.9	14,680	60	58.3
	Germany	...	...	...	295	...	...
	Belgium	1,691	...	...	2,574	...	...
	United Kingdom	795	...	21.9	2,718	...	110.6
	France	1,914	...	...	3,053	...	...
	Sweden	...	...	...	15	...	...
	Japan	52	...	...	135	...	...
Lighter than 18 gauge	United States	426	4	10.8	1,636	5	24.8
	United Kingdom	20	...	...	143	...	7.5
	Belgium	163	...	...	541	...	...
	France	395	...	...	584	...	...
	Japan	227	...	...	227	...	...
For hollow ware (vitreous enamel).	United States	205	...	...	766	...	...
	United Kingdom	11	...	...	11	...	...
	Belgium	55	...	...	55	...	...
	France	220	...	...	336	...	...
Corrugated	United States	450	...	...	1,177	...	...
	United Kingdom	...	...	...	56	...	...
Coated with paint, tar, asphaltum, etc.	United States	50	...	...	231	...	...
For saws	United States	11	146	...	39	364	...
	United Kingdom	...	...	...	...	11	...
For cold rolled strip	United States	104	...	...	128	...	...
For tubes	United States	109	...	...	580	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, March and Year to Date, 1951 (Continued)

Commodity	Country of origin	M a r c h			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds) :							
Sheets - (concluded)							
Cold rolled -							
18 gauge and heavier	United States	1,029	...	116.9	3,402	...	293.4
	United Kingdom	135	...	4.9	419	...	4.9
	Belgium	...	...	...	28	...	...
	Italy	827	...	...	827	...	...
Lighter than 18 gauge	United States	3,874	...	178.2	9,699	...	539.0
	United Kingdom	370	...	...	476	...	8.4
	Sweden	...	...	...	1	...	...
	France	23	...	...	23	...	...
For hollow ware (vitreous enamel).	United States	1,017	...	...	2,952	...	...
	United Kingdom	99	...	...	557	...	...
	France	110	...	...	110	...	...
Black plate - Tin mill	United States	323	...	...	334	...	...
Coated with paint, tar, asphaltum, etc.	United States	44	...	...	84	...	...
For heating apparatus	United States	91	...	...	188	...	...
For saws	United States	...	26	...	...	31	...
	Sweden	...	2	...	...	3	...
For tubes	United States	209	...	...	895	...	...
Tin plate--Primes	United States	39	...	...	39	...	...
	United Kingdom	71	...	...	113	...	...
Seconds	United Kingdom	...	...	...	20	...	...
Electrolytic 25#	United States	40	...	...	40	...	...
Terne plate--Long	United States	508	...	...	1,166	...	...
	United Kingdom	...	...	...	18	...	...
Short	United States	243	...	...	701	...	...
	United Kingdom	2	...	...	2	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,573	...	11.2	3,942	...	14.3
	Belgium	16	...	...	147	...	...
	United Kingdom	88	...	...	151	...	...
	France	89	...	...	89	...	...
Lighter than 18 gauge	United States	191	...	1.6	395	...	15.1
For cold rolling	United States	173	...	...	502	...	...
	United Kingdom	...	...	...	1	...	...
Painted	United States	500	...	...	1,558	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	402	...	...	722	...	...
For saws	United States	79	102	...	147	202	...
	United Kingdom	...	...	...	...	1	...
For motor vehicles	United States	1,241	...	...	5,246	...	...
For hoops	United States	279	...	...	429	...	...
	United Kingdom	180	...	...	235	...	...
For tubes	United States	...	...	...	651	...	...
For tubular products	United States	35	...	...	71	...	...
Silicon .075 or more	United States	...	662	...	...	1,449	...
Cold rolled -							
18 gauge and heavier	United Kingdom	26	...	...	59	...	...
	United States	378	22	35.9	1,301	44	63.7
Lighter than 18 gauge	United States	524	4	172.9	1,584	4	430.6
	Sweden	17	...	...	68	...	...
	United Kingdom	85	...	...	88	...	...
Painted	United States	136	...	...	504	...	...
	Germany	...	...	...	14	...	...
	United Kingdom	...	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	63	...	...	157	...	...
	United Kingdom	...	...	...	21	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, March and Year to Date, 1951 (Continued)

Commodity	Country of origin	M a r c h			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
Strip - (concluded)		(Tons of 2,000 pounds)					
Cold rolled -							
For saws	United States	...	32	...	14	43	...
	Sweden	...	8	...	...	47	...
For tubes	United States	226	...	...	896	...	...
	France	111	...	...	271	...	...
For tubular products	United States	231	...	.5	411	...	.6
For butt hinges	United States	156	...	...	423	...	...
Silicon .075 or more	United States	...	28	...	...	50	...
Galvanized strip	United States	683	...	...	1,721	...	...
	United Kingdom	98	...	...	156	...	...
Skelp -							
15 $\frac{3}{8}$ " in width	United States	7,389	...	...	28,987	...	...
	France	895	...	...	895	...	...
	Belgium	552	...	...	552	...	...
	United Kingdom	559	...	...	559	...	...
Over 15 $\frac{3}{8}$ " in width	United States	138	...	...	758	...	...
Plate	United States	...	...	...	336	...	...
Pipes and tubes -							
Cast	United States	251	...	...	493	...	...
	United Kingdom	377	...	...	1,479	...	...
Bedstead	United States	81	...	...	153	...	.2
Repair of pressure parts of boilers -							
Hot finished	United States	327	20	...	1,106	48	...
	United Kingdom	164	...	...	239	...	...
Cold drawn	United States	62	2	...	128	5	...
	United Kingdom	21	...	...	71	...	...
	Sweden	...	...	...	...	...	1.7
Welded	United States	114	...	...	342	...	.3
Seamless, 12" and under in diameter -							
Cold drawn	United States	376	22	9.1	960	59	29.9
	Sweden	...	...	...	14	...	...
	United Kingdom	217	7	15.8	642	37	57.7
Hot finished	United States	251	342	.7	1,305	821	.7
	United Kingdom	101	...	...	184	...	...
	Czechoslovakia	1	...	...	1	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	268	...	...	481	...	...
	United Kingdom	...	...	...	1,008	...	...
Welded, 4" and under in diameter	United States	833	...	2.9	2,727	...	12.2
	United Kingdom	265	...	...	1,164	...	...
	Belgium	133	...	...	133	...	...
	Czechoslovakia	43	...	...	43	...	...
Welded, over 4" in diameter	United States	460	...	...	879	...	.6
	United Kingdom	...	...	...	112	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	22	...	...	128	...	...
Spiral welded	United States	164	...	...	647	...	...
Casings	United States	6,281	...	...	15,528	...	...
	United Kingdom	242	...	...	2,250	...	...
	Germany	...	...	...	175	...	...
	Netherlands	...	...	...	35	...	...
Fittings and couplings	United States	431	...	3.4	1,110	...	8.5
	United Kingdom	137	...	...	162	...	...
	Germany	15	...	...	35	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, March and Year to Date, 1951 (Continued)

		M a r c h			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Wire rope	United States	50	...	1.3	123	...	1.7
	United Kingdom	114	...	...	375	...	...
	Belgium	...	...	...	1	...	...
	Germany	...	...	...	2	...	...
Wire for rope	United States	797	...	...	1,563	...	...
	United Kingdom	466	...	...	2,042	...	...
	Norway	...	...	...	30	...	...
Wire -							
For corset laces, steels, etc.	United States	18	...	...	43	...	...
	United Kingdom	...	...	...	4	...	...
For spring mattress, etc.	United States	360	...	...	1,083	...	...
	United Kingdom	5	...	...	12	...	...
	Czechoslovakia	24	...	...	45	...	...
For fencing, galvanized	United States	...	...	...	32	...	...
Wire cloth and netting	United States	172	...	...	453	...	.2
	United Kingdom	50	...	...	133	...	...
	Germany	...	...	...	...	...	.3
Wire, coated	United States	60	...	...	207	...	...
	United Kingdom	51	...	...	92	...	...
Wire, all other	United States	931	...	7.4	1,903	3	15.5
	United Kingdom	5	...	...	22	...	.4
	Germany	9	...	...	13	1	...
	France	48	...	...	48	...	...
	Sweden	...	...	.2	...	...	.2
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	...	...	...	43	...	...
	France	...	...	...	333	...	...
Welding wire and welding rods	United States	164	6	13.6	221	16	41.3
	United Kingdom	...	...	...	...	1	36.5
Castings -							
For agricultural implements	United States	240	...	...	515	...	...
For ingot moulds	United States	2,124	...	...	4,675	...	...
Malleable	United States	37	...	...	173	...	...
Non-malleable	United States	111	...	...	383	...	...
Steel	United States	88	51	...	240	99	...
	Norway	13	...	...	20	...	...
For railway vehicles	United States	6	...	...	20	...	...
Rolls	United States	297	31	...	718	59	...
Piston rings (rough)	United States	72	...	...	108	...	...
Forgings							
.....	United States	192	42	...	569	335	...
	United Kingdom	39	14	...	275	81	...
Wheels - For railway rolling stock	United States	23	...	...	112	...	...
	United Kingdom	33	...	...	537	...	...
Tires -							
For railway rolling stock	United States	22	...	...	48	...	...
	United Kingdom	...	...	...	292	...	...
Rails -							
60 lb. and under	United States	14	...	...	42	...	...
	Belgium	274	...	...	415	...	...
	France	...	...	...	67	...	...
Over 60 lb. and including 100 lb. ...	United States	56	...	...	245	...	...
Over 100 lb.	United States	...	...	...	28	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, March and Year to Date, 1951 (Concluded)

Commodity	Country of origin	M a r c h			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Track material -							
Angles, bars, tie plates, rail joints.	United States	109	...	...	202	...	...
	Belgium	12	...	...	202	...	...
	France	...	...	...	2	...	...
	United Kingdom	...	...	...	510	...	...
Intersections, switches, frogs	United States	11	...	...	13	...	...
	Germany	...	...	...	1	...	...
Total Imports	United States	82,813	4,299	631.7	223,559	11,235	1,736.2
	All other	30,044	175	44.2	74,192	777	273.2
TOTAL		112,857	4,474	675.9	297,751	12,012	2,009.4

Table 15 - Exports of Primary Iron and Steel, March and Year to Date, 1951

	M a r c h	Year to date
	(Tons of 2,000 pounds)	
Pig iron	9,016	28,151
Ingots, blooms and billets	943	10,586
Bars	545	3,348
Rods	20	23
Plates, sheets and strips	1,759	5,607
Rails .....	...	...
Structural shapes	214	434
Pipe and tubing - Wrought iron	502	2,830
Cast iron	77	293
Galvanized	16	384
Other	91	181
Castings, iron and steel	1,776	4,318
Forgings	14	141
TOTAL	14,973	56,296



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PRIMARY IRON AND STEELAPRIL - 1951

Pig iron - Production of pig iron in Canada amounted to 211,112 tons in April compared with 188,143 tons in the corresponding month of last year. The total for the current month included 165,435 tons of basic iron, 19,541 tons of foundry iron and 26,136 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in April amounted to 19,552 tons compared with 19,451 tons in the previous month and with 11,743 tons in April of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel ingots and castings - Production of steel ingots and steel castings during April totalled 312,005 tons compared with 279,320 tons in April of last year. Output in the month under review included 301,764 tons of ingots and 10,241 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During April, 1950 and 1951

	April, 1950		April, 1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	139,713	226	165,435	10,027
Foundry	20,336	20,216	19,541	17,318
Malleable	28,094	28,094	26,136	27,463
Total Pig Iron	188,143	48,536	211,112	54,808
<u>Ferro-alloys</u> -	11,743	...	19,552	...

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Sales for the Four Months Ended April, 1950 and 1951

	1950		1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	556,598	11,981	627,334	29,265
Foundry	72,899	72,047	106,852	104,565
Malleable	85,727	85,504	91,842	95,734
Total Pig Iron	715,224	169,532	826,028	229,564
<u>Ferro-alloys</u> -	44,008	...	72,979	...

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During April, 1950 and 1951 and Four Months Ended April, 1951

	April, 1950	April, 1951	Three months ended April, 1951
	(Net tons of 2,000 pounds)		
Iron ore	339,547	373,132	1,436,512
Mill cinder, scale, sinter, etc. .	23,534	39,032	168,080
Limestone	72,374	78,822	306,280
Dolomite	11,665	12,642	50,783
Coke	176,388	192,649	758,508
Scrap iron and steel	7,550	6,319	21,132

Primary Iron and Steel

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Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,745,000

Table 5 - Description of Iron Blast Furnaces at end of April, 1951

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	12	2,554,950	93.1
Banked .....	...	...	...
Blown out	2	190,050	6.9
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During April, 1950 and 1951

	April, 1950		April, 1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	230,419	9,909	254,448	9,348
Electric	42,517	7,359	47,316	5,910
Total Steel Ingots	272,936	17,268	301,764	15,258
Alloy steel ingots included in above	15,801	...	17,061	...
<u>Steel Castings</u>				
Open hearth - basic	1,590	1,427	2,437	2,256
Converter	7	6	11	11
Electric	4,787	3,567	7,793	6,266
Total Steel Castings	6,384	5,000	10,241	8,533
Alloy steel castings included in above	1,743	1,128	2,008	1,087
TOTAL INGOTS AND CASTINGS	279,320	22,268	312,005	23,791

(★) Includes amounts for sale and for own use.

Table 7 - Cumulative Production and Sales for the Four Months Ended April, 1950 and 1951

	1950		1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	926,415	42,400	992,210	46,086
Electric	170,024	27,013	184,467	22,769
Total Steel Ingots	1,096,439	69,413	1,176,677	68,855
Alloy steel ingots included in above	67,144	...	68,502	5,206
<u>Steel Castings</u>				
Open hearth - basic	7,263	6,568	10,158	9,371
Converter	14	10	48	46
Electric	17,979	13,060	30,981	23,447
Total Steel Castings	25,256	19,638	41,187	32,864
Alloy steel castings included in above	6,029	3,630	8,414	4,126
TOTAL INGOTS AND CASTINGS	1,121,695	89,051	1,217,864	101,719

(★) Includes amounts for sale and for own use.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During April, 1950 and 1951 and Four Months Ended April, 1951

	April, 1950	April, 1951	Four months ended April, 1951
Pig iron	138,606	158,094	609,413
Scrap - Own make	81,942	83,664	339,589
Purchased	82,632	97,009	371,847

Table 9 - Steel Furnace Capacity at end of April, 1951

	Annual capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings ...	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1950 and 1951

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
			(Net tons of 2,000 pounds)		
<u>1 9 5 0</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	179,449	12,652	287,719	6,584	294,303
April	188,143	11,743	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
November	208,301	16,920	279,754	9,734	289,488
December	198,169	15,341	281,474	9,768	291,242
Total	2,317,121	174,186	3,298,068	86,063	3,384,131
<u>1 9 5 1</u>					
January	201,086(★)	19,062(★)	299,410	10,243	309,653
February	193,227	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
Total - Four Months	826,028	72,979	1,176,677	41,187	1,217,864

(★) Revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 265,431 net tons in April, 1951 compared with 216,723 tons in April, 1950. The April shipments included 167 tons of semi-finished shapes, 14,538 tons of structurals, 16,238 tons of plates, 26,007 tons of rails, 8,653 tons of tie plates and track material, 47,060 tons of hot rolled bars, 21,819 tons of pipes and tubes, 26,617 tons of wire rods, 34,526 tons of black sheets, 9,625 tons of galvanized sheets, 9,783 tons of castings, and 44,740 tons of other rolled products. The amount of producers' interchange was 145,517 tons in April, 1951 as against 106,273 tons in April, 1950.

Of the amounts shipped for sale during April, 57,183 tons went direct to railways and railway car shops; 15,642 tons went to pressing, forming and stamping plants; 35,069 tons to merchant trade products; 28,543 tons to building construction; 24,844 tons to the containers industry; 11,895 tons to agricultural equipment; 24,920 tons to the automotive industry; 16,027 tons to machinery plants; 3,966 tons to shipbuilding; 8,955 tons to mining, lumbering, etc., and 6,204 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 30,081 tons, and exports for 2,102 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 145,517 tons in April, 1951.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, April, 1951

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	9,830	4,888	4,673
Other semi-finished shapes, not for re-rolling by makers	43,799	167	41,189
Structural shapes and piling	17,176	14,538	8
Plates	15,477	16,120	...
Rails	22,947	26,007	...
Tie plates and track material: Splice bars ...	2,045	1,614	...
Tie plates	5,513	5,730	...
Spikes	1,356	1,309	...
Concrete reinforcing bars	8,895	9,819	...
Hot rolled bars for cold finishing	1,474	...	1,482
Other hot rolled bars	45,827	39,574	9,419
Pipes and tubes	20,989	21,819	...
Wire rods	27,725	26,457	...
Hot rolled black sheets	75,848	22,601	50,520
Cold reduced black sheets	18,149	11,925	5,551
Galvanized sheets	9,623	9,625	...
Steel castings	8,235	7,934	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	66,473	33,976	31,727
Total - Carbon Steel	401,381	254,103	144,569
<u>Alloy Steel</u>			
Billets, etc., for forging	976	770	409
Other semi-finished shapes, not for re-rolling by makers	458	...	458
Structural shapes and piling .....	...	...	...
Plates	88	118	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	9,088	7,486	81
Pipes and tubes .....	...	...	...
Wire rods	65	160	...
Steel castings	2,008	1,849	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	902	945	...
Total - Alloy Steel	13,585	11,328	948

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Four Months Ended April, 1951.

	<u>P r o d u c t i o n</u> (Including producers' interchange)	<u>S h i p m e n t s</u> For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	37,531	17,978	22,254
Other semi-finished shapes, not for re-rolling by makers	175,412	1,301	170,430
Structural shapes and piling	72,353	66,245	8
Plates	72,700	71,293	...
Rails	95,236	94,526	...
Tie plates and track material - Splice bars ..	5,169	4,965	...
Tie plates ...	22,994	22,910	...
Spikes	5,374	5,423	...
Concrete reinforcing bars	42,907	42,078	...
Hot rolled bars for cold finishing	4,793	...	4,824
Other hot rolled bars	185,138	154,540	34,154
Pipes and tubes	84,509	89,175	3
Wire rods	106,127	105,728	120
Hot rolled black sheets	279,225	73,904	201,261
Cold reduced black sheets	71,981	50,986	18,970
Galvanized sheets	35,746	35,633	239
Steel castings	32,491	31,582	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	239,823	129,487	106,789
Total - Carbon Steel	1,569,509	997,754	559,052

Alloy Steel

Billets, etc., for forging	3,826	3,821	462
Other semi-finished shapes, not for re-rolling by makers	1,443	...	1,443
Structural shapes and piling .....	...	...	...
Plates	773	844	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	31,552	29,965	163
Pipes and tubes .....	...	...	...
Wire rods	402	401	...
Steel castings	8,689	7,795	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	3,533	3,392	...
Total - Alloy Steel	50,218	46,218	2,068

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, April and Year to Date, 1951

	A p r i l		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	17,890	7,030	57,667	28,365
Agricultural, including farm machinery ..	11,739	156	49,783	716
Building construction	28,450	93	128,804	346
Containers industry	24,839	5	99,065	23
Machinery and tools	14,935	1,092	49,563	3,987
Merchant trade products	34,735	334	136,009	1,345
Mining, lumbering, etc.	8,273	682	38,626	3,393
National defence	2,966	102	5,726	226
Pressing, forming and stamping	15,426	216	60,548	838
Public works and utilities	1,841	42	4,363	187
Railway operating	40,933	307	153,808	904
Railway cars and locomotives	15,822	121	66,371	1,042
Shipbuilding	3,895	71	12,888	164
Miscellaneous and unclassified	1,020	233	5,588	823
Wholesalers and warehouses	29,850	231	117,031	857
Direct export (a) to British Empire	154	33	1,052	413
(b) to other countries ...	1,335	580	10,862	2,589
Total Shipped for Sale	254,103	11,328	997,754	46,218
Producers' interchange	144,569	948	559,052	2,068

Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1951

Commodity	Country of origin	A p r i l			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	91	...	...	461	...	...
Special	United States	...	...	...	298	...	...
Ingots	United States	7,522	...	...	27,779	79	...
Billets, blooms, slabs and sheet bars	United States	53	167	...	81	257	...
	United Kingdom	...	...	...	...	4	...
	Germany	545	...	...	545	...	...
Tube rounds and tube billets	United States	282	...	...	2,223	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	3,791	462	49.9	11,417	1,467	87.0
	United Kingdom	995	164	.6	2,657	284	18.7
	Belgium	1,030	...	...	4,229	...	...
	France	1,136	...	...	1,859	...	...
	Japan	45	...	...	100	...	...
	Germany	1,046	...	...	2,131	...	...
	Sweden	1	...	...	1	...	...
Hot rolled -							
For agricultural implements	United States	1,838	...	...	6,648	...	...
	United Kingdom	20	...	...	20	...	...
Rounds over 4 $\frac{7}{8}$ " , squares over 4" ..	United States	17	5	...	217	16	...
	United Kingdom	26	16	.5	209	24	.5
Angles, channels, etc.	United States	370	3	8.7	1,321	3	15.0
	Belgium	700	...	...	1,517	...	...
	United Kingdom	690	...	...	1,894	...	.6
	France	327	...	...	526	...	...
Structurals (bar sizes) for agri- cultural implements	United States	451	...	...	2,827	...	2.2
	United Kingdom	439	...	...	439	...	...
	France	152	...	...	152	...	...
Sash or casement sections	United States	351	1,159
	Belgium	141	253
	United Kingdom	1	24

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1951 (Continued)

Commodity	Country of origin	A p r i l			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (concluded)							
Cold rolled, n.o.p.	United States	507	24	.7	1,474	104	10.4
	United Kingdom	470	20	14.5	1,936	27	16.1
	Belgium	63	...	...	63	...	...
Cold rolled, for agricultural implements	United States	552	...	...	1,282	2	4.0
	United Kingdom	50	...	...	162	...	...
Tool steel	United States	23	141	...	45	359	...
	United Kingdom	226	190	...	508	325	...
	Sweden	...	...	...	...	6	...
Structurals	United States	17,986	...	.6	54,559	...	1.3
	United Kingdom	2,713	1	...	6,913	1	...
	Belgium	3,806	...	...	8,570	...	...
	France	23	...	...	579	...	...
	Germany	346	...	...	346	...	...
Plates -							
78" and under in width	United States	2,000	31	18.6	7,418	78	123.2
	United Kingdom	4,471	10	57.9	13,815	10	82.6
	Japan	219	...	...	219	...	...
	Germany	165	...	...	598	...	...
	France	563	...	...	1,590	...	...
Over 78" and under 100" in width .	Belgium	1,004	...	...	1,666	...	...
	United States	1,302	...	.9	5,034	...	6.3
	United Kingdom	2,063	...	...	12,285	...	...
100" in width and over	Belgium	134	...	...	327	...	...
	United States	358	...	3.0	1,744	...	3.0
	United Kingdom	158	...	...	189	...	...
Flanged, dished or curved	Belgium	436	...	...	436	...	...
	United States	173	...	6.9	609	...	21.4
Boiler, pulp-mill digesters	United States	971	...	35.4	2,342	...	36.2
	United Kingdom	717	...	...	859	...	...
	Belgium	21	...	...	21	...	...
Chequered or surface pattern	United States	453	...	...	1,712	...	...
	United Kingdom	159	...	...	435	...	...
Painted	United States	...	...	...	2	...	...
Sheets -							
Silicon .075 or more	United States	...	2,401	...	...	8,407	...
	United Kingdom	...	214	...	...	529	...
Galvanized	United States	836	...	...	3,593	...	...
	United Kingdom	234	...	...	1,473	...	...
	France	...	...	...	111	...	...
Hot rolled -							
18 gauge and heavier	United States	8,412	60	27.4	23,092	120	85.7
	Germany	790	...	...	1,085	...	...
	Belgium	4,970	...	...	7,544	...	...
	United Kingdom	1,405	75	10.9	4,123	75	121.5
	France	1,469	...	...	4,522	...	...
	Sweden	89	...	...	104	...	...
	Japan	269	...	...	404	...	...
Lighter than 18 gauge	United States	664	6	30.0	2,300	11	54.8
	United Kingdom	539	3	7.6	682	3	15.1
	Belgium	231	...	...	772	...	...
	France	453	...	...	1,037	...	...
	Japan	289	...	...	516	...	...
For hollow ware (vitreous enamel)	United States	338	...	...	1,104	...	...
	United Kingdom	...	...	...	11	...	...
	Belgium	...	...	...	55	...	...
	France	276	...	...	612	...	...
	Germany	83	...	...	83	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1951 (Continued)

		A p r i l			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (Concluded)							
Hot rolled -							
Corrugated	United States	355	...	...	1,532	...	...
	United Kingdom	7	...	...	63	...	...
Coated with paint, tar, asphaltum, etc.	United States	85	...	...	316	...	...
For saws	United States	14	19	...	53	383	...
	United Kingdom	...	60	...	...	71	...
For cold rolled strip	United States	25	...	...	153	...	...
For tubes	United States	195	...	...	775	...	...
Cold rolled -							
18 gauge and heavier	United States	1,309	...	62.8	4,711	...	356.2
	United Kingdom	229	9	56.1	648	9	61.0
	Belgium	88	...	...	116	...	...
	Italy	...	...	...	827	...	...
	Germany	218	...	...	218	...	...
Lighter than 18 gauge	United States	3,815	...	223.3	13,514	...	762.3
	United Kingdom	213	...	5.0	689	...	13.4
	Sweden	...	...	...	1	...	...
	France	77	...	...	100	...	...
	Belgium	820	...	...	820	...	...
For hollow ware (vitreous enamel).	United States	1,284	...	...	4,236	...	...
	United Kingdom	100	...	...	657	...	...
	France	43	...	...	153	...	...
	Belgium	649	...	...	649	...	...
	Germany	95	...	...	95	...	...
Black plate - Tin mill	United States	118	...	...	452	...	...
Coated with paint, tar, asphaltum, etc.	United States	19	...	...	103	...	...
	United Kingdom	82	...	...	82	...	...
For heating apparatus	United States	46	...	...	234	...	...
For saws	United States	9	43	...	9	74	...
	Sweden	1	...	...	1	3	...
For tubes	United States	485	...	...	1,380	...	...
Tin plate--Primes							
	United States	3	...	...	42	...	...
	United Kingdom	148	...	...	261	...	...
Seconds	United Kingdom	...	...	...	20	...	...
Electrolytic 25#	United States	1	...	...	41	...	...
Terne plate--Long							
	United States	468	...	...	1,634	...	...
	United Kingdom	...	...	...	18	...	...
Short	United States	178	...	...	879	...	...
	United Kingdom	...	...	...	2	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,571	...	.6	5,513	...	14.9
	Belgium	13	...	...	160	...	...
	United Kingdom	261	2	...	412	2	...
	France	36	...	...	125	...	...
Lighter than 18 gauge	United States	135	...	2.5	530	...	17.6
	United Kingdom	7	...	...	7	...	...
For cold rolling	United States	255	...	...	757	...	...
	United Kingdom	...	...	...	1	...	...
Painted	United States	41	...	...	1,599	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	83	...	...	805	...	...
For saws	United States	2	13	...	149	215	...
	United Kingdom	...	...	...	...	1	...
For motor vehicles	United States	1,438	...	...	6,684	...	...
For hoops	United States	139	...	...	568	...	...
	United Kingdom	160	...	...	395	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1951 (Continued)

Commodity	Country of origin	A p r i l			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip - (Concluded)							
Hot rolled -							
For tubes	United States	169	...	...	820	...	...
	Belgium	619	...	...	619	...	...
For tubular products	United States	...	...	...	71	...	...
Silicon .075 or more	United States	...	356	...	...	1,805	...
Cold rolled -							
18 gauge and heavier	United Kingdom	52	...	.9	111	...	.9
	United States	580	1	58.0	1,881	45	121.7
	Sweden	21	...	...	21	...	...
Lighter than 18 gauge	United States	731	3	200.1	2,315	7	630.7
	Sweden	38	...	...	106	...	...
	United Kingdom	45	6	...	133	6	...
Painted	United States	431	...	...	935	...	...
	Germany	...	...	...	14	...	...
	United Kingdom	...	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	135	...	...	292	...	...
	United Kingdom	22	...	...	43	...	...
For saws	United States	30	20	...	44	63	...
	Sweden	...	...	...	...	47	...
For tubes	United States	692	...	...	1,588	...	...
	France	...	...	...	271	...	...
For tubular products	United States	52	...	...	463	...	.6
For butt hinges	United States	117	...	...	540	...	...
Silicon .075 or more	United States	...	...	...	...	50	...
Galvanized strip	United States	582	...	...	2,303	...	...
	United Kingdom	83	...	...	239	...	...
Skelp -							
15 ³ / ₈ " in width	United States	9,332	...	...	38,319	...	...
	France	968	...	...	1,863	...	...
	Belgium	862	...	...	1,414	...	...
	United Kingdom	...	...	...	559	...	...
Over 15 ³ / ₈ " in width	United States	48	...	...	806	...	...
Plate	United States	127	...	...	463	...	...
Pipes and tubes -							
Cast	United States	138	...	...	631	...	...
	United Kingdom	604	...	...	2,083	...	...
Bedstead	United States	69	...	...	222	...	.2
Repair of pressure parts of boilers -							
Hot finished	United States	288	...	...	1,394	48	...
	United Kingdom	375	...	...	614	...	...
Cold drawn	United States	3	2	2.0	131	7	2.0
	United Kingdom	140	...	...	211	...	...
	Sweden	...	...	...	...	...	1.7
Welded	United States	191	...	...	533	...	.3
Seamless, 12" and under in diameter-							
Cold drawn	United States	399	190	12.3	1,359	249	42.2
	Sweden	352	...	...	366	...	...
	United Kingdom	243	4	19.5	885	41	77.2
Hot finished	United States	473	39	1.3	1,778	860	2.0
	United Kingdom	12	...	...	196	...	...
	Czechoslovakia	...	...	...	1	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	175	5	...	656	5	...
	United Kingdom	...	...	...	1,008	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1951 (Continued)

Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1934 (Continued)							
Commodity	Country of origin	A p r i l			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes - (Concluded)							
Welded, 4" and under in diameter	United States	856	...	2.5	3,583	...	14.7
	United Kingdom	1,219	...	...	2,383	...	...
	Belgium	226	...	...	359	...	...
	Czechoslovakia	...	...	...	43	...	...
	Holland	28	...	...	28	...	...
Welded, over 4" in diameter	United States	348	...	...	1,227	...	.6
	United Kingdom	41	...	...	153	...	...
	Germany	80	...	...	80	...	...
	Belgium	27	...	...	27	...	...
Tubing -							
Not over $\frac{1}{8}$ " diameter, welded and coated	United States	20	...	...	148	...	...
Spiral welded	United States	72	...	...	719	...	...
Casings	United States	5,719	...	...	21,247	...	...
	United Kingdom	933	...	...	3,183	...	...
	Germany	608	...	...	783	...	...
	Netherlands	...	...	...	35	...	...
	Belgium	77	...	...	77	...	...
Fittings and couplings	United States	344	...	4.2	1,454	...	12.7
	United Kingdom	144	...	...	306	...	...
	Germany	...	...	...	35	...	...
Wire rope							
	United States	103	...	.2	226	...	1.9
	United Kingdom	132	...	...	507	...	...
	Belgium	...	...	...	1	...	...
	Germany	...	...	...	2	...	...
Wire for rope	United States	594	...	...	2,157	...	...
	United Kingdom	1,345	...	...	3,387	...	...
	Norway	...	...	...	30	...	...
Wire -							
For corset laces, steels, etc.	United States	43	...	...	86	...	...
	United Kingdom	1	...	...	5	...	...
For spring mattress, etc.	United States	286	...	...	1,369	...	...
	United Kingdom	59	...	...	71	...	...
	Czechoslovakia	55	...	...	100	...	...
For fencing, galvanized	United States	...	...	...	32	...	...
Wire cloth and netting	United States	136	...	...	589	...	.2
	United Kingdom	145	...	...	278	...	...
	Germany	...	...	...	...	...	.3
Wire, coated	United States	150	...	...	357	...	...
	United Kingdom	1	...	...	93	...	...
Wire, all other	United States	1,124	16	32.7	3,027	19	48.2
	United Kingdom	46	...	.5	68	...	.9
	Germany	...	...	...	13	1	...
	France	...	...	...	48	...	...
	Sweden	4	...	...	4	...	.2
	Belgium	70	...	...	70	...	...
	United States	1	...	...	44	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter	France	...	...	...	333	...	...
	Belgium	436	...	...	436	...	...
	Germany	57	...	...	57	...	...
	United States	72	12	30.6	293	28	71.9
Welding wire and welding rods		United Kingdom	...	...	...	1	36.5

Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1951 (Concluded)

Commodity	Country of origin	A p r i l			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Castings -							
For agricultural implements	United States	193	...	...	708	...	...
	United Kingdom	15	...	...	15	...	...
For ingot moulds	United States	2,774	...	...	7,449	...	...
Malleable	United States	99	...	...	272	...	...
Non-malleable	United States	153	...	...	536	...	...
Steel	United States	12	70	...	252	169	...
	Norway	...	...	...	20	...	...
For railway vehicles	United States	10	...	...	30	...	...
Rolls	United States	393	89	...	1,111	148	...
Piston rings (rough)	United States	61	...	...	169	...	...
Forgings							
	United States	111	35	...	680	370	...
	United Kingdom	89	43	...	364	124	...
	Germany	22	...	...	22	...	...
Wheels - For railway rolling stock ..	United States	...	...	...	112	...	...
	United Kingdom	615	...	...	1,152	...	...
Tires - For railway rolling stock ...	United States	22	...	...	70	...	...
	United Kingdom	902	...	...	1,194	...	...
Rails - 60 lb. and under	United States	52	...	...	94	...	...
	Belgium	84	...	...	499	...	...
	France	...	...	...	67	...	...
Over 60 lb. and including 100 lb.	United States	41	...	...	286	...	...
Over 100 lb.	United States	41	...	...	69	...	...
Axles - For railway vehicles	United States	71	...	...	71	...	...
Track material -							
Angles, bars, tie plates, rail joints.	United States	187	...	...	389	...	...
	Belgium	3	...	...	205	...	...
	France	...	...	...	2	...	...
	United Kingdom	...	...	...	510	...	...
Intersections, switches, frogs	United States	116	...	...	129	...	...
	Germany	...	...	...	1	...	...
Total Imports	United States	90,380	4,213	815.2	313,939	15,448	2,551.4
	All other	51,345	817	174.0	125,537	1,594	447.2
TOTAL		141,725	5,030	989.2	439,476	17,042	2,998.6

Table 15 - Exports of Primary Iron and Steel, April and Year to Date, 1951

	A p r i l		Year to Date	
	(Tons of 2,000 pounds)			
Pig iron	19,001		47,152	
Ingots, blooms and billets	326		10,912	
Bars	845		4,193	
Rods	186		209	
Plates, sheets and strips	5,037		10,644	
Rails .....	...		...
Structural shapes	249		683	
Pipe and tubing - Wrought iron ...	...		2,830	
Cast iron	90		383	
Galvanized .....	...		384	
Other	289		471	
Castings, iron and steel	1,975		6,293	
Forgings	47		189	
TOTAL	28,045		84,343	

STEEL FURNACES IN CANADA, APRIL, 1951

	Type	Number of units	Size (net tons)	Total annual capacity (net tons)
Nova Scotia -				
Dominion Iron & Steel Limited, Sydney	O.H.	5	56	240,000
	O.H.	2	175	190,000
	O.H.	3	125	255,000
	Elec.	1	11	28,000
Total .....	...	11	...	713,000
Maritime Steel Foundries Ltd., New Glasgow	Elec.	1	4	3,000
Quebec -				
Canadian Unitcast-Steel Ltd., Montreal	Elec.	1	3	12,000
Canadian Car and Foundry Co. Ltd., Montreal	O.H.	3	25	51,600
	Elec.	1	4	7,800
	Elec.	1	2½	4,900
	Elec.	1	½	1,000
Total .....	...	6	...	65,300
Canadian Tube and Steel Products Ltd., Montreal ..	Elec.	2	25	120,000
	Elec.	3	5	44,600
Total .....	...	5	...	164,600
Dominion Brake Shoe Company, Ltd., Joliette	Elec.	1	1½	4,000
	Elec.	1	2	8,000
Total .....	...	2	...	12,000
La Compagnie F. X. Drolet Ltd., Quebec	Conv.	1	1	300
Lynn MacLeod Metallurgy Ltd., Thetford Mines	Elec.	1	1½	2,500
Manganese Steel Castings Ltd., Sherbrooke	Elec.	1	2	1,800
Shawinigan Chemicals Ltd., Shawinigan Falls	Elec.	1	½	900
	Elec.	1	2	3,600
	Elec.	1	1	1,800
Total .....	...	3	...	6,300
Sorel Steel Foundries Ltd., Sorel	Elec.	1	3	5,900
Ontario -				
Algoma Steel Corp. Ltd., Sault Ste. Marie	O.H.	8	84	500,000
	O.H.	4	131	366,000
Total .....	...	12	...	866,000
Atlas Steels Limited, Welland	Elec.	1	6	7,200
	Elec.	1	10	12,000
	Elec.	2	25	64,000
	Elec.	2	45	86,400
Total .....	...	6	...	169,600
Burlington Steel Co. Ltd., Hamilton	Elec.	1	6	20,700
Canada Electric Castings Ltd., Orillia	Elec.	2	2	6,000
Dominion Foundries and Steel Ltd., Hamilton	O.H.	2	55	108,900
	O.H.	1	50	49,450
	O.H.	1	45	44,550
	Elec.	2	10	26,400
	Elec.	2	50	140,000
	Elec.	1	2½	9,000
Total .....	...	9	...	378,300

STEEL FURNACES IN CANADA, APRIL, 1951
(Concluded)

	Type	Number of units	Size (net tons)	Total annual capacity (net tons)
<u>Ontario - (Concluded)</u>				
Fahralloy Canada Ltd., Orillia	Elec.	1	$\frac{1}{2}$	1,500
	Elec.	1	$1\frac{1}{2}$	2,300
	Elec.	1	2	3,100
Total .....	...	3	...	6,900
Ford Motor Co. of Canada Ltd., Windsor	Elec.	1	5	10,500
	Elec.	15	4	88,100
	Elec.	1	$\frac{1}{2}$	750
	Elec.	1	$\frac{1}{4}$	625
Total .....	...	18	...	99,975
William Kennedy and Sons Ltd., Owen Sound	Conv.	1	2	4,800
	Elec.	1	$1\frac{1}{2}$	2,400
	Elec.	1	4	9,000
Total .....	...	3	...	16,200
Steel Company of Canada, Hamilton	O.H.	1	45	43,500
	O.H.	3	55	147,500
	O.H.	4	100	338,000
	O.H.	5	180	626,000
	Elec.	1	70	91,500
Total .....	...	14	...	1,246,500
Welland Electric Steel Foundry Ltd., Welland	Elec.	1	$1\frac{1}{2}$)	5,400
	Elec.	1	$\frac{1}{2}$)	
	Elec.	1	$\frac{1}{4}$)	
Total .....	...	3	...	5,400
<u>Manitoba -</u>				
Manitoba Rolling Mill Co. Ltd., Selkirk	O.H.	2	20	40,000
	Elec.	1	6	20,000
Total .....	...	3	...	60,000
Manitoba Steel Foundries Ltd., Selkirk	Elec.	1	5	4,000
Vulcan Iron Works Ltd., Winnipeg	Elec.	1	3	2,700
<u>Alberta -</u>				
Riverside Iron Works Ltd., Calgary	Elec.	1	$1\frac{1}{2}$	1,300
Foothills Steel Foundry and Iron Works, Calgary ..	Elec.	1	$\frac{1}{2}$	1,200
<u>British Columbia -</u>				
A-1 Steel and Iron Foundry, Vancouver	Elec.	1	$\frac{1}{2}$	1,900
Britannia Mining and Smelting Co. Ltd., Britannia Beach	Elec.	1	5	4,200
Consolidated Mining and Smelting Co. of Canada, Trail	Elec.	1	1	2,500
	Elec.	1	6	6,000
Total .....	...	2	...	8,500
Reliance Foundry Co. Ltd., Vancouver	Elec.	1	$\frac{1}{2}$	1,000
	Elec.	1	$1\frac{1}{2}$	2,600
Total .....	...	2	...	3,600
Vancouver Engineering Works Ltd., Vancouver	Elec.	1	2	3,500
	Elec.	1	1	2,000
	Conv.	1	2	4,500
Total .....	...	3	...	10,000
Vancouver Steel Co. Ltd., Vancouver	Elec.	1	10	32,200
Victoria Machinery Depot Co. Ltd., Victoria	Elec.	1	$1\frac{1}{2}$	625
Canadian Sumner Iron Works Ltd., Vancouver,	Elec.	1	2	3,600

SUMMARY OF STEEL FURNACE CAPACITY, APRIL, 1951

	Number of furnaces	Total annual capacity (net tons)
Basic open hearth	44	3,000,500
Electric	76	926,000
Converter	3	9,600
 TOTAL	 123	 3,936,100
 Steel ingots - Basic open hearth .....	...	2,948,900
Electric .....	...	682,000
 TOTAL .....	...	3,630,900
 Steel castings .....	...	305,200
 TOTAL INGOTS AND CASTINGS ...	...	3,936,100

STEEL FURNACE CAPACITY, APRIL, 1951

Province	Total annual capacity (net tons)
Nova Scotia	716,000
Quebec	270,700
Ontario	2,815,575
Manitoba	66,700
Alberta	2,500
British Columbia	64,625
 CANADA	 3,936,100



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PRIMARY IRON AND STEEL

MAY - 1951

Pig Iron - Production of pig iron in Canada amounted to 218,989 tons in May compared with 195,893 tons in the corresponding month of last year. The total for the current month included 179,022 tons of basic iron, 22,671 tons of foundry iron and 17,346 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in May amounted to 23,542 tons compared with 19,552 tons in the previous month and with 12,707 tons in May of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel ingots and castings - Production of steel ingots and steel castings during May totalled 313,312 tons compared with 290,906 tons in May of last year. Output in the month under review included 302,928 tons of ingots and 10,384 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During May, 1950 and 1951

	May, 1950		May, 1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	146,785	3,507	179,022	14,107
Foundry	22,489	22,259	22,621	25,781
Malleable	26,619	26,619	17,346	17,252
Total Pig Iron	195,893	52,385	218,989	57,140
<u>Ferro-alloys</u>	12,707	...	23,542	...

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Sales for the Five Months Ended May, 1950 and 1951

	1950		1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	703,383	15,488	806,356	43,372
Foundry	87,999	86,917	129,473	130,346
Malleable	112,346	112,123	109,188	112,986
Total Pig Iron	903,728	214,528	1,045,017	286,704
<u>Ferro-alloys</u>	64,104	...	96,521	...

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During May, 1950 and 1951 and Five Months Ended May, 1951

	May 1950	May 1951	Five months ended May, 1951
	(Net tons of 2,000 pounds)		
Iron ore	349,115	376,106	1,812,618
Mill cinder, scale, sinter, etc. ...	32,937	46,194	214,274
Limestone	74,145	79,308	385,588
Dolomite	12,548	13,835	64,618
Coke	184,488	199,655	958,163
Scrap iron and steel	8,559	6,798	27,930

Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,745,000

Table 5 - Description of Iron Blast Furnaces at End of May, 1951

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	13	2,609,950	95.1
Banked .....	...	...	...
Blown out	1	135,050	4.9
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During May, 1950 and 1951

	May, 1950		May, 1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	239,487	15,808	256,172	13,578
Electric	44,323	7,263	46,756	4,752
Total Steel Ingots	283,810	23,071	302,928	18,330
Alloy steel ingots included in above	19,366	...	23,807	...
<u>Steel castings</u>				
Open hearth - basic	1,427	1,237	2,409	1,985
Converter	10	10	14	14
Electric	5,659	4,206	7,961	6,444
Total Steel Castings	7,096	5,453	10,384	8,443
Alloy steel castings included in above:-				
(a) High alloy, except manganese and abrasion resistant			374	295
(b) High alloy, manganese and abrasion resistant)	1,827	1,097	788	824
(c) All other alloys			958	417

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Five Months Ended May, 1950 and 1951.

	1950		1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	1,165,902	58,208	1,248,382	59,664
Electric	214,347	34,276	231,223	27,521
Total Steel Ingots	1,380,249	92,484	1,479,605	87,185
Alloy steel ingots included in above	86,510	...	92,309	5,206
<u>Steel castings</u>				
Open hearth - basic	8,690	7,805	12,567	11,356
Converter	24	20	62	60
Electric	23,638	17,266	38,942	29,891
Total Steel Castings	32,352	25,091	51,571	41,307
Alloy steel castings included in above (x)	7,856	4,727	10,534	5,662

(x) Breakdown not available for full period.

(★) Includes amounts for sale and for own use.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During May, 1950 and 1951 and Five Months Ended May, 1951

	May, 1950	May, 1951	Five months ended May, 1951
	(Net tons of 2,000 pounds)		
Pig iron	148,107	160,181	769,594
Scrap - Own make	85,908	85,298	424,887
Purchased	81,687	94,485	466,332

Table 9 - Steel Furnace Capacity at End of May, 1951

	Annual Capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1950 and 1951

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
			(Net tons of 2,000 pounds)		
1 9 5 0					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
November	208,301	16,920	279,754	9,734	289,488
December	198,169	15,341	281,474	9,768	291,242
Total	2,309,732	181,575	3,298,068	86,063	3,384,131
1 9 5 1					
January	201,086(★)	19,062(★)	299,410	10,243	309,653
February	193,227	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
Total - Five Months ...	1,045,017	96,521	1,479,605	51,571	1,531,176

(★) Revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 283,899 net tons in May, 1951 compared with 248,789 tons in May, 1950. The May shipments included 414 tons of semi-finished shapes, 14,894 tons of structurals, 15,262 tons of plates, 24,886 tons of rails, 10,956 tons of tie plates and track material, 44,694 tons of hot rolled bars, 26,278 tons of pipes and tubes, 26,986 tons of wire rods, 41,566 tons of black sheets, 10,491 tons of galvanized sheets, 10,149 tons of castings, and 52,489 tons of other rolled products. The amount of producers' interchange was 161,624 tons in May, 1951 as against 128,356 tons in May, 1950.

Of the amounts shipped for sale during May, 55,591 tons went direct to railways and railway car shops; 16,838 tons went to pressing, forming and stamping plants; 35,250 tons to merchant trade products; 36,393 tons to building construction; 28,270 tons to the containers industry; 10,625 tons to agricultural equipment; 29,176 tons to the automotive industry; 14,105 tons to machinery plants; 3,502 tons to shipbuilding; 10,771 tons to mining, lumbering, etc., and 9,667 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 30,647 tons, and exports for 3,064 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 161,624 tons in May, 1951.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, May, 1951

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	8,210	4,153	4,495
Other semi-finished shapes, not for re-rolling by makers	48,443	414	50,825
Structural shapes and piling	20,943	14,894	...
Plates	13,225	15,098	...
Rails	26,527	24,886	...
Tie plates and track material: Splice bars	2,236	1,997	...
Tie plates	7,901	7,235	...
Spikes	1,687	1,724	...
Concrete reinforcing bars	15,641	15,322	...
Hot rolled bars for cold finishing	299	...	311
Other hot rolled bars	44,261	35,621	10,880
Pipes and tubes	24,697	26,278	1
Wire rods	27,805	26,977	68
Hot rolled black sheets	84,412	25,804	57,344
Cold reduced black sheets	21,346	15,762	5,133
Galvanized sheets	10,409	10,491	...
Steel castings	8,267	7,861	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	69,340	36,085	32,182
Total - Carbon Steel	435,649	270,602	161,239
<u>Alloy Steel</u>			
Billets, etc., for forging	1,303	681	383
Other semi-finished shapes, not for re-rolling by makers .....	...	...	...
Structural shapes and piling .....	...	...	...
Plates	179	164	...
Hot rolled bars for cold finishing	5	...	2
Other hot rolled bars	8,364	9,073	...
Pipes and tubes .....	...	...	...
Wire rods	8	9	...
Steel castings	2,125	2,288	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	1,304	1,082	...
Total - Alloy Steel	13,288	13,297	385

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Five Months Ended
May, 1951

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	45,741	22,131	26,749
Other semi-finished shapes, not for re-rolling by makers	223,855	1,715	221,255
Structural shapes and piling	93,296	81,139	8
Plates	85,925	86,391	...
Rails	121,763	119,412	...
Tie plates and track material - Splice bars ...	7,405	6,962	...
Tie plates	30,895	30,145	...
Spikes	7,061	7,147	...
Concrete reinforcing bars	58,548	57,400	...
Hot rolled bars for cold finishing	5,092	...	5,135
Other hot rolled bars	229,399	190,161	45,034
Pipes and tubes	109,206	115,453	4
Wire rods	133,932	132,705	188
Hot rolled black sheets	363,637	99,708	258,605
Cold reduced black sheets	93,327	66,748	24,103
Galvanized sheets	46,155	46,124	239
Steel castings	40,758	39,443	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	309,163	165,572	138,971
Total - Carbon Steel	2,005,158	1,268,356	720,291
<u>Alloy Steel</u>			
Billets, etc., for forging	5,129	4,502	845
Other semi-finished shapes, not for re-rolling by makers	1,443	...	1,443
Structural shapes and piling .....	...	...	...
Plates	952	1,008	...
Hot rolled bars for cold finishing	5	...	2
Other hot rolled bars	39,916	39,038	163
Pipes and tubes .....	...	...	...
Wire rods	410	410	...
Steel castings	10,814	10,083	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	4,837	4,474	...
Total - Alloy Steel	63,506	59,515	2,453

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, May and Year to Date, 1951

	M a y		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	20,903	8,273	78,570	36,638
Agricultural, including farm machinery .	10,353	272	60,136	988
Building construction	36,260	133	165,064	479
Containers industry	28,266	4	127,331	27
Machinery and tools	13,154	951	62,717	4,938
Merchant trade products	34,854	396	170,863	1,741
Mining, lumbering, etc.	9,382	1,389	48,008	4,782
National defence	3,300	89	9,026	315
Pressing, forming and stamping	16,545	293	77,093	1,131
Public works and utilities	5,123	53	9,846	240
Railway operating	39,676	198	193,484	1,102
Railway cars and locomotives	15,568	149	81,939	1,191
Shipbuilding	3,469	33	16,357	197
Miscellaneous and unclassified	898	204	6,486	1,027
Wholesalers and warehouses	30,346	301	147,377	1,158
Direct export (a) to British Empire	319	26	1,371	439
(b) to other countries ...	2,186	533	13,048	3,122
Total Shipped for Sale	270,602	13,297	1,268,356	59,515
Producers' interchange	161,239	385	720,291	2,453

Table 14 - Imports of Primary Forms of Iron and Steel, May and Year to Date, 1951

Table 14 - Imports of Primary Forms of Iron and Steel, May and Year to Date, 1951							
Commodity	Country of origin	M a y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	1,102	...	...	1,563	...	...
Malleable	United States	182	...	...	182	...	...
Special	United States	15	...	...	313	...	...
Ingots	United States	2,629	35	...	30,408	114	...
Billets, blooms, slabs and sheet bars .	United States	...	5	...	81	262	...
	United Kingdom	...	...	...	...	4	...
	Germany	...	...	...	545	...	...
Tube rounds and tube billets	United States	428	...	...	2,651	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	2,812	526	26.1	14,229	1,993	113.1
	United Kingdom	1,347	72	...	4,004	356	18.7
	Belgium	2,207	...	...	6,436	...	...
	France	1,335	...	...	3,194	...	...
	Japan	760	...	...	860	...	...
	Germany	446	...	...	2,577	...	...
	Sweden	...	10	...	1	10	...
	Austria	456	...	...	456	...	...
Hot rolled -							
For agricultural implements	United States	633	...	...	7,281	...	...
	United Kingdom	27	...	...	47	...	...
Rounds over 4 $\frac{7}{8}$ " , squares over 4" ..	United States	36	4	...	253	20	...
	United Kingdom	52	...	...	261	24	.5
Angles, channels, etc.	United States	559	5	2.5	1,880	8	17.5
	Belgium	2,062	...	...	3,579	...	...
	United Kingdom	1,337	...	...	3,231	...	.6
	France	317	...	...	843	...	...
Structurals (bar sizes) for agri- cultural implements	United States	523	...	...	3,350	...	2.2
	United Kingdom	279	...	...	718	...	...
	France	...	...	...	152	...	...
Sash or casement sections	United States	476	...	...	1,635	...	...
	Belgium	...	...	...	253	...	...
	United Kingdom	45	...	...	69	...	...

Primary Iron and Steel

- 7 -

Table 14 - Imports of Primary Forms of Iron and Steel, May and Year to Date, 1951 (Continued)

Commodity	Country of origin	M a y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (concluded)							
Cold rolled, n.o.p.	United States	505	36	.4	1,979	140	10.8
	United Kingdom	219	...	...	2,155	27	16.1
	Belgium	11	...	...	74	...	...
	Sweden	54	...	...	54	...	...
Cold rolled, for agricultural implements	United States	911	7	...	2,193	9	4.0
	United Kingdom	...	16	...	162	16	...
Tool steel	United States	59	94	...	104	453	...
	United Kingdom	18	93	...	526	418	...
	Sweden	...	...	...	...	6	...
Structurals	United States	18,576	1	...	73,135	1	1.3
	United Kingdom	3,091	...	...	10,004	1	...
	Belgium	12,608	...	...	21,178	...	...
	France	40	...	...	619	...	...
	Germany	328	...	...	674	...	...
Plates -							
78" and under in width	United States	4,280	33	27.9	11,698	111	151.1
	United Kingdom	3,931	...	...	17,746	10	82.6
	Japan	...	...	...	219	...	...
	Germany	61	...	...	659	...	...
	France	1,291	...	...	2,881	...	...
	Belgium	1,884	...	...	3,550	...	...
Over 78" and under 100" in width	United States	1,417	...	.6	6,451	...	6.9
	United Kingdom	1,572	...	...	13,857	...	...
	Belgium	...	...	...	327	...	...
	France	244	...	...	244	...	...
	Austria	27	...	...	27	...	...
	100" in width and over	United States	214	1,958	...	3.0
	United Kingdom	65	...	...	254	...	...
	Belgium	...	...	...	436	...	...
Flanged, dished or curved	United States	295	...	...	904	...	21.4
Boiler, pulp-mill digesters	United States	585	...	...	2,927	...	36.2
	United Kingdom	85	...	...	944	...	...
	Belgium	...	...	...	21	...	...
	France	27	...	...	27	...	...
Chequered or surface pattern	United States	487	...	...	2,199	...	...
	United Kingdom	199	...	...	634	...	...
Painted	United States	...	...	...	2	...	...
Sheets -							
Silicon .075 or more	United States	...	2,229	...	...	10,636	...
	United Kingdom	...	57	...	...	586	...
Galvanized	United States	745	...	...	4,338	...	...
	United Kingdom	912	...	...	2,385	...	...
	France	...	...	...	111	...	...
Hot rolled - 18 gauge and heavier	United States	7,847	42	17.2	30,939	162	102.9
	Germany	803	...	5.9	1,888	...	5.9
	Belgium	2,753	...	...	10,297	...	...
	United Kingdom	643	...	...	4,766	75	121.5
	France	134	...	...	4,656	...	...
	Sweden	...	...	...	104	...	...
	Japan	...	...	...	404	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, May and Year to Date, 1951 (Continued)

Commodity	Country of origin	M a y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets -							
Hot rolled (concluded) -							
Lighter than 18 gauge	United States	466	50	9.3	2,766	61	64.1
	United Kingdom	414	...	...	1,096	3	15.1
	Belgium	927	...	...	1,699	...	...
	France	365	...	...	1,402	...	...
	Japan	...	...	...	516	...	...
	Germany	235	...	...	235	...	...
For hollow ware (vitreous enamel) ..	United States	201	...	...	1,305	...	...
	United Kingdom	...	...	...	11	...	...
	Belgium	...	...	...	55	...	...
	France	15	...	...	627	...	...
	Germany	...	...	...	83	...	...
Corrugated	United States	201	...	...	1,733	...	...
	United Kingdom	56	...	...	119	...	...
Coated with paint, tar, asphaltum, etc.	United States	141	...	...	457	...	...
For saws	United States	11	100	...	64	483	...
	United Kingdom	5	...	...	5	71	...
For cold rolled strip	United States	...	...	...	153	...	...
For tubes	United States	282	...	...	1,057	...	...
Cold rolled -							
18 gauge and heavier	United States	919	...	94.1	5,630	...	450.3
	United Kingdom	908	...	...	1,556	9	61.0
	Belgium	...	4	...	116	4	...
	Italy	...	...	...	827	...	...
	Germany	566	...	...	784	...	...
	France	197	...	...	197	...	...
Lighter than 18 gauge	United States	2,672	2	144.7	16,186	2	907.0
	United Kingdom	340	...	11.9	1,229	...	25.3
	Sweden	...	...	...	1	...	...
	France	22	...	...	122	...	...
	Belgium	631	...	...	1,451	...	...
	Germany	30	...	...	30	...	...
For hollow ware (vitreous enamel)	United States	1,254	...	...	5,490	...	...
	United Kingdom	653	...	...	1,310	...	...
	France	...	...	...	153	...	...
	Belgium	...	...	...	649	...	...
	Germany	164	...	...	259	...	...
Black plate - Tin mill	United States	62	...	...	514	...	...
	United Kingdom	58	...	...	58	...	...
Coated with paint, tar, asphaltum, etc.	United States	51	...	...	154	...	...
	United Kingdom	...	...	...	82	...	...
For heating apparatus	United States	22	...	...	256	...	...
For saws	United States	...	...	...	9	74	...
	Sweden	...	...	...	1	3	...
For tubes	United States	591	...	...	1,971	...	...
Tin plate--Primes	United States	24	...	...	66	...	...
	United Kingdom	27	...	...	288	...	...
Seconds	United Kingdom	...	...	...	20	...	...
Electrolytic 25#	United States	76	...	...	117	...	...
Terne plate--Long	United States	685	...	...	2,319	...	...
	United Kingdom	41	...	...	59	...	...
Short	United States	335	...	...	1,214	...	...
	United Kingdom	119	...	...	121	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, May and Year to Date, 1951 (Continued)

Commodity	Country of origin	M a y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,598	27	2.3	7,111	27	17.2
	Belgium	149	...	...	309	...	...
	United Kingdom	100	...	...	512	2	...
	France	...	...	...	125	...	...
	Germany	71	...	...	71	...	...
Lighter than 18 gauge	United States	135	...	23.3	665	...	40.9
	United Kingdom	32	...	...	39	...	...
	Belgium	11	...	...	11	...	...
For cold rolling	United States	317	...	...	1,074	...	...
	United Kingdom	...	...	...	1	...	...
Painted	United States	106	...	...	1,705	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	25	...	...	830	...	...
For saws	United States	61	89	...	210	304	...
	United Kingdom	...	...	...	...	1	...
For motor vehicles	United States	1,582	...	...	8,266	...	...
For hoops	United States	162	...	...	730	...	...
	United Kingdom	251	...	...	646	...	...
	Sweden	6	...	...	6	...	...
For tubes	United States	27	...	...	847	...	...
	Belgium	...	...	...	619	...	...
For tubular products	United States	...	...	...	71	...	...
Silicon .075 or more	United States	...	...	...	...	1,805	...
Cold rolled -							
18 gauge and heavier	United States	490	43	18.9	2,371	88	140.6
	United Kingdom	6	...	...	117	...	.9
	Sweden	...	...	6.6	21	...	6.6
	Germany	6	...	...	6	...	...
	Belgium	98	...	...	98	...	...
Lighter than 18 gauge	United States	626	5	185.4	2,941	12	816.1
	Sweden	61	28	...	167	28	...
	United Kingdom	16	...	...	149	6	...
	Belgium	...	4	...	...	4	...
Painted	United States	1,149	...	...	2,084	...	...
	Germany	19	...	...	33	...	...
	United Kingdom	...	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	104	...	...	396	...	...
	United Kingdom	25	...	...	68	...	...
For saws	United States	28	2	...	72	65	...
	Sweden	...	6	...	...	53	...
	United Kingdom	2	...	...	2	...	...
For tubes	United States	297	...	...	1,885	...	...
	France	...	...	...	271	...	...
For tubular products	United States	215	...	...	678	...	.6
For butt hinges	United States	141	...	...	681	...	...
Silicon .075 or more	United States	...	...	...	...	50	...
Galvanized strip	United States	468	...	...	2,771	...	...
	United Kingdom	98	...	...	337	...	...
	Germany	61	...	...	61	...	...
Skelp -							
15 ³ / ₈ " in width	United States	6,922	...	...	45,241	...	...
	France	...	...	...	1,863	...	...
	Belgium	1,909	...	...	3,323	...	...
	United Kingdom	291	...	...	850	...	...
Over 15 ³ / ₈ " in width	United States	145	...	...	951	...	...
Plate	United States	175	...	...	638	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, May and Year to Date, 1951 (Continued)

Commodity	Country of origin	M a y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes -							
Cast	United States	20	...	...	651	...	...
	United Kingdom	1,356	...	...	3,439	...	...
Bedstead	United States	33	...	...	255	...	.2
Repair of pressure parts of boilers -							
Hot finished	United States	141	26	...	1,535	74	...
	United Kingdom	338	...	...	952	...	...
Cold drawn	United States	13	...	...	144	7	2.0
	United Kingdom	72	...	...	283	...	...
	Sweden	...	...	...	...	...	1.7
Welded	United States	46	...	...	579	...	.3
Seamless, 12" and under in diameter -							
Cold drawn	United States	375	293	23.0	1,734	542	65.2
	Sweden	185	...	...	551	...	...
	United Kingdom	192	...	6.4	1,077	41	83.6
Hot finished	United States	964	2	.4	2,742	862	2.4
	United Kingdom	892	...	...	1,088	...	...
	Czechoslovakia	...	...	...	1	...	...
	Germany	12	...	...	12	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	289	...	...	945	5	...
	United Kingdom	2,664	...	...	3,672	...	...
Welded, 4" and under in diameter	United States	492	28	11.6	4,075	28	26.3
	United Kingdom	635	...	...	3,018	...	...
	Belgium	248	...	...	607	...	...
	Czechoslovakia	...	...	...	43	...	...
	Holland	1,115	...	...	1,143	...	...
Welded, over 4" in diameter	United States	270	...	...	1,497	...	.6
	United Kingdom	9	...	...	162	...	...
	Germany	...	...	...	80	...	...
	Belgium	...	...	...	27	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	28	...	...	176	...	...
Spiral welded	United States	89	...	...	808	...	...
Casings	United States	8,172	...	...	29,419	...	...
	United Kingdom	610	...	...	3,793	...	...
	Germany	1,005	...	...	1,788	...	...
	Netherlands	...	...	...	35	...	...
	Belgium	432	...	...	509	...	...
Fittings and couplings	United States	362	...	2.5	1,816	...	15.2
	United Kingdom	10	...	...	316	...	...
	Germany	16	...	...	51	...	...
Wire rope							
	United States	151	...	.1	377	...	2.0
	United Kingdom	154	...	...	661	...	...
	Belgium	...	...	...	1	...	...
	Germany	52	...	...	54	...	...
	Holland	8	...	...	8	...	...
Wire for rope	United States	367	...	...	2,524	...	...
	United Kingdom	336	...	...	3,723	...	...
	Norway	...	...	...	30	...	...
Wire - For fencing, galvanized	United States	...	...	...	32	...	...
For corset laces, steels, etc. .	United States	14	...	...	100	...	...
	United Kingdom	13	...	...	18	...	...
For spring mattress, etc.	United States	473	...	...	1,842	...	...
	United Kingdom	24	...	...	95	...	...
	Czechoslovakia	...	...	...	100	...	...
Wire cloth and netting	United States	75	...	...	664	...	.2
	United Kingdom	26	...	...	304	...	...
	Germany	...	...	...	...	...	.3

Table 14 - Imports of Primary Forms of Iron and Steel, May and Year to Date, 1951 (Concluded)

Commodity	Country of origin	May			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Wire, coated	United States	517	...	...	874	...	...
	United Kingdom	1	...	...	94	...	...
	France	106	...	...	106	...	...
	Germany	1	...	...	1	...	...
Wire, all other	United States	602	28	1.1	3,629	47	49.3
	United Kingdom	8	...	.5	76	...	1.4
	Germany	55	...	...	68	1	...
	France	...	...	...	48	...	...
	Sweden	...	...	...	4	...	.2
	Belgium	...	...	...	70	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	101	...	...	145	...	...
	France	...	...	...	333	...	...
	Belgium	220	...	...	656	...	...
	Germany	...	...	...	57	...	...
	United Kingdom	113	...	...	113	...	...
Welding wire and welding rods	United States	71	16	25.0	364	44	96.9
	United Kingdom	...	...	...	...	1	36.5
Castings -							
For agricultural implements	United States	162	...	...	870	...	...
	United Kingdom	...	...	...	15	...	...
For ingot moulds	United States	1,851	...	...	9,300	...	...
Malleable	United States	40	...	...	312	...	...
Non-malleable	United States	139	...	...	675	...	...
	United Kingdom	1	...	...	1	...	...
Steel	United States	23	...	...	275	169	...
	Norway	...	...	...	20	...	...
For railway vehicles	United States	55	...	...	85	...	...
Rolls	United States	157	65	...	1,268	213	...
	United Kingdom	...	22	...	...	22	...
Piston rings (rough)	United States	27	...	...	196	...	...
Forgings							
United States	United States	148	23	...	828	393	...
	United Kingdom	187	24	...	551	148	...
	Germany	...	...	...	22	...	...
Wheels - For railway rolling stock	United States	4	...	...	116	...	...
	United Kingdom	780	...	...	1,932	...	...
Tires - For railway rolling stock	United States	62	...	...	132	...	...
	United Kingdom	2,327	...	...	3,521	...	...
Rails - 60 lb. and under	United States	19	...	...	113	...	...
	Belgium	163	...	...	662	...	...
	France	...	...	...	67	...	...
Over 60 lb. and including 100 lb.	United States	208	...	...	494	...	...
Over 100 lb.	United States	...	...	...	69	...	...
Axles - For railway vehicles	United States	4	...	...	75	...	...
Track material -							
Angles, bars, tie plates, rail joints.	United States	301	...	...	690	...	...
	Belgium	158	...	...	363	...	...
	France	...	...	...	2	...	...
	United Kingdom	...	...	...	510	...	...
Intersections, switches, frogs	United States	15	...	...	144	...	...
	Germany	...	...	...	1	...	...
Total Imports							
United States		84,962	3,816	616.4	398,901	19,264	3,167.8
All other		65,379	336	31.3	190,916	1,930	478.5
TOTAL							
		150,341	4,152	647.7	589,817	21,194	3,646.3

Table 15 - Exports of Primary Iron and Steel, May and Year to Date, 1951

	May	Year to date
	(Tons of 2,000 pounds)	
Pig iron	7,473	54,625
Ingots, blooms and billets ....	...	10,912
Bars	1,164	5,357
Rods .....	...	209
Plates, sheets and strips	3,279	13,923
Rails .....	...	...
Structural shapes	166	849
Pipe and tubing - Wrought iron.	117	2,947
Cast iron ...	126	509
Galvanized ..	295	679
Other	211	682
Castings, iron and steel	1,836	8,130
Forgings	60	249
TOTAL	14,727	99,071



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PRIMARY IRON AND STEELJUNE - 1951

Pig Iron - Production of pig iron in Canada amounted to 213,184 tons in June compared with 198,462 tons in the corresponding month of last year. The total for the current month included 166,379 tons of basic iron, 29,312 tons of foundry iron and 17,493 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in June amounted to 19,774 tons compared with 23,542 tons in the previous month and with 15,350 tons in June of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during June totalled 293,515 tons compared with 276,423 tons in June of last year. Output in the month under review included 283,664 tons of ingots and 9,851 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During June, 1950 and 1951

	June, 1950		June, 1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	153,962	12,358	166,379	15,877
Foundry	18,385	18,300	29,312	29,137
Malleable	26,115	26,115	17,493	19,348
Total Pig Iron	198,462	56,773	213,184	64,362
<u>Ferro-alloys</u>	15,350	...	19,774	...

(*) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Sales for the Six Months Ended June, 1950 and 1951

	1950		1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	857,345	27,846	972,735	59,249
Foundry	106,384	105,217	158,785	159,483
Malleable	138,461	138,238	126,681	132,334
Total Pig Iron	1,102,190	271,301	1,258,201	351,066
<u>Ferro-alloys</u>	79,454	...	116,295	...

(*) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During June, 1950 and 1951 and Six Months Ended June, 1951

	June 1950	June 1951	Six months ended June, 1951
	(Net tons of 2,000 pounds)		
Iron ore	346,443	372,456	2,185,074
Mill cinder, scale, sinter, etc.	46,734	40,190	254,464
Limestone	71,696	77,827	463,415
Dolomite	11,915	13,951	78,569
Coke	177,453	195,179	1,153,342
Scrap iron and steel	9,928	7,760	35,690

Table 4 - Iron Blast Furnaces

Name of Company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,745,000

Table 5 - Description of Iron Blast Furnaces at End of June, 1951

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	13	2,609,950	95.1
Banked .....	...	...	...
Blown out	1	135,050	4.9
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During June, 1950 and 1951

	June, 1950		June, 1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	225,579	14,767	237,604	6,890
Electric	44,237	7,010	46,060	3,863
Total Steel Ingots	269,816	21,777	283,664	10,753
Alloy steel ingots included in above	11,767	...	18,484	79
<u>Steel castings</u>				
Open hearth - basic	1,334	1,148	2,242	1,893
Converter	38	37	31	11
Electric	5,235	3,953	7,578	6,079
Total Steel Castings	6,607	5,138	9,851	7,983
Alloy steel castings included in above:-				
(a) High alloy, except manganese and abrasion resistant			106	93
(b) High alloy, manganese and abrasion resistant	1,638	866	844	832
(c) All other alloys			1,039	517

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Six Months Ended June, 1950 and 1951

	1950		1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	1,391,481	72,975	1,485,986	66,554
Electric	258,584	41,286	277,283	31,384
Total Steel Ingots	1,650,065	114,261	1,763,269	97,938
Alloy steel ingots included in above	98,277	24,846	110,793	5,285
<u>Steel castings</u>				
Open hearth - basic	10,024	8,953	14,809	13,249
Converter	62	57	93	71
Electric	28,873	21,219	46,520	35,970
Total Steel Castings	38,959	30,229	61,422	49,290
Alloy steel castings included in above (x)	9,494	5,593	12,523	7,104

(*) Includes amounts for sale and for own use.

(x) Breakdown not available for full period.

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Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During June, 1950 and 1951 and Six Months Ended June, 1951

	J u n e 1 9 5 0	J u n e 1 9 5 1	Six months ended June, 1951
	(Net tons of 2,000 pounds)		
Pig iron	138,521	150,752	920,346
Scrap - Own make	82,352	79,197	504,084
Purchased	78,932	88,995	555,327

Table 9 - Steel Furnace Capacity at End of June, 1951

	Annual Capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings.	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1950 and 1951

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1950 and 1951					
Month	Pig iron	Ferro-alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
1 9 5 0					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
November	208,301	16,920	279,754	9,734	289,488
December	198,169	15,341	281,474	9,768	291,242
Total	2,309,732	181,575	3,298,068	86,063	3,384,131
1 9 5 1					
January	201,086	19,062	299,410	10,243	309,653
February	193,227	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
Total - Six months ...	1,258,201	116,295	1,763,269	61,422	1,824,691

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 263,789 net tons in June, 1951 compared with 248,322 tons in June, 1950. The June shipments included 203 tons of semi-finished shapes, 18,070 tons of structurals, 14,497 tons of plates, 21,321 tons of rails, 8,342 tons of tie plates and track material, 46,660 tons of hot rolled bars, 22,493 tons of pipes and tubes, 25,949 tons of wire rods, 34,265 tons of black sheets, 10,522 tons of galvanized sheets, 9,368 tons of castings, and 45,405 tons of other rolled products. The amount of producers' interchange was 135,513 tons in June, 1951 as against 123,338 tons in June, 1950.

Of the amounts shipped for sale during June, 49,867 tons went direct to railways and railway car shops; 16,060 tons went to pressing, forming and stamping plants; 34,036 tons to merchant trade products; 34,374 tons to building construction; 26,173 tons to the containers industry; 13,437 tons to agricultural equipment; 21,440 tons to the automotive industry; 12,142 tons to machinery plants; 2,626 tons to shipbuilding; 11,103 tons to mining, lumbering, etc., and 10,695 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 28,398 tons, and exports for 3,438 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 135,513 tons in June, 1951.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, June, 1951

	P r o d u c t i o n	S h i p m e n t s	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	9,239	4,677	3,995
Other semi-finished shapes, not for re-rolling by makers	35,054	203	33,995
Structural shapes and piling	17,657	18,070	...
Plates	16,099	14,398	...
Rails	21,297	21,321	...
Tie plates and track material: Splice bars	2,822	2,687	...
Tie plates	4,708	3,916	...
Spikes	1,650	1,739	...
Concrete reinforcing bars	12,054	11,109	...
Hot rolled bars for cold finishing	541	...	425
Other hot rolled bars	40,802	39,382	8,782
Pipes and tubes	19,870	22,493	...
Wire rods	26,045	25,910	130
Hot rolled black sheets	74,114	19,605	56,381
Cold reduced black sheets	19,650	14,660	4,165
Galvanized sheets	9,308	10,522	...
Steel castings	7,854	7,326	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	61,480	33,252	27,014
Total - Carbon Steel	380,244	251,270	134,887
<u>Alloy Steel</u>			
Billets, etc., for forging	2,611	2,017	79
Other semi-finished shapes, not for re-rolling by makers	542	...	542
Structural shapes and piling .....	...	...	...
Plates	160	99	...
Hot rolled bars for cold finishing	44	...	5
Other hot rolled bars	7,536	7,278	...
Pipes and tubes .....	...	...	...
Wire rods	83	39	...
Steel castings	2,057	2,042	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	1,254	1,044	...
Total - Alloy Steel	14,287	12,519	626

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

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Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Six Months Ended June, 1951

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	<u>P r o d u c t i o n</u> (Including producers' interchange)	<u>S h i p m e n t s</u> For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	56,494(*)	28,322(*)	30,744
Other semi-finished shapes, not for re-rolling by makers	258,909	1,918	255,250
Structural shapes and piling	110,953	99,209	8
Plates	102,024	100,789	...
Rails	143,060	140,733	...
Tie plates and track material - Splice bars ...	10,227	9,649	...
Tie plates	35,603	34,061	...
Spikes	8,711	8,886	...
Concrete reinforcing bars	70,602	68,509	...
Hot rolled bars for cold finishing	5,633	...	5,560
Other hot rolled bars	271,262(*)	230,604(*)	53,816
Pipes and tubes	129,076	137,946	4
Wire rods	159,977	158,615	318
Hot rolled black sheets	437,751	119,313	314,986
Cold reduced black sheets	112,977	81,408	28,268
Galvanized sheets	55,463	56,646	239
Steel castings	48,805(*)	46,962(*)	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	370,643	199,824	165,985
Total - Carbon Steel	2,388,170(*)	1,522,394(*)	855,178
<u>Alloy Steel</u>			
Billets, etc., for forging	10,020(*)	8,799(*)	924
Other semi-finished shapes, not for re-rolling by makers	1,985	...	1,985
Structural shapes and piling .....	...	...	...
Plates	1,112	1,107	...
Hot rolled bars for cold finishing	49	...	7
Other hot rolled bars	47,748(*)	46,316(*)	163
Pipes and tubes .....	...	...	...
Wire rods	493	449	...
Steel castings	12,871	12,125	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	6,091	5,518	...
Total - Alloy Steel	80,369(*)	74,610(*)	3,079

(*) Revised.

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, June and Year to Date, 1951

	<u>J u n e</u>		<u>Year to date</u>	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	14,970	6,470	93,540	43,108
Agricultural, including farm machinery ..	12,869	568	73,005	1,556
Building construction	34,282	92	199,346	571
Containers industry	26,167	6	153,498	33
Machinery and tools	11,151	991	73,868	5,929
Merchant trade products	33,416	620	204,279	2,361
Mining, lumbering, etc.	9,833	1,270	57,841	6,052
National defence	3,722	634	13,389(*)	3,131(*)
Pressing, forming and stamping	15,798	262	92,891	1,393
Public works and utilities	4,396	55	14,242	295
Railway operating	34,831	278	228,315	1,380
Railway cars and locomotives	14,555	203	96,494	1,394

Primary Iron and Steel

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Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, June and Year to Date, 1951 (Concluded)

	J u n e		Year to Date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Shipbuilding	2,589	37	18,946	234
Miscellaneous and unclassified	1,643	245	10,256(*)	1,666(*)
Wholesalers and warehouses	28,148	250	175,525	1,408
Direct export (a) to British Empire	909	116	2,280	555
(b) to other countries ...	1,991	422	15,039	3,544
Total Shipped for Sale	251,270	12,519	1,522,394(*)	74,610(*)
Producers' interchange	134,887	626	855,178	3,079

(*) Revised.

Table 14 - Imports of Primary Forms of Iron and Steel, June and Year to Date, 1951

Commodity	Country of origin	J u n e			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	57	...	...	1,620	...	...
	Germany	1,471	...	...	1,471	...	...
Malleable	United States	104	...	...	286	...	...
Special	United States	...	...	...	313	...	...
Ingots	United States	2,011	...	...	32,419	114	...
Billets, blooms, slabs and sheet bars .	United States	9	5	...	90	267	...
	United Kingdom	...	6	...	...	10	...
	Germany	...	...	...	545	...	...
Tube rounds and tube billets	United States	34	...	...	2,685	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	3,459	401	14.9	17,688	2,394	128.0
	United Kingdom	1,799	113	15.4	5,803	469	34.1
	Belgium	2,856	...	...	9,292	...	...
	France	1,071	...	...	4,265	...	...
	Japan	...	...	...	860	...	...
	Germany	2,554	5	...	5,131	5	...
	Sweden	...	...	...	1	10	...
	Austria	9	...	...	465	...	...
Hot rolled -							
For agricultural implements	United States	796	1	...	8,077	1	...
	United Kingdom	36	...	...	83	...	...
Rounds over 4 7/8", squares over 4" ..	United States	48	3	...	301	23	...
	United Kingdom	36	...	...	297	24	.5
Angles, channels, etc.	United States	1,044	...	...	2,924	8	17.5
	Belgium	...	...	...	3,579	...	...
	United Kingdom	...	...	...	3,231	...	.6
	France	...	...	...	843	...	...
Structurals (bar sizes) for agri- cultural implements	United States	309	23	.3	3,659	23	2.5
	United Kingdom	1,385	...	...	2,103	...	...
	France	563	...	...	715	...	...
	Germany	188	...	...	188	...	...
	Belgium	1,439	...	...	1,439	...	...
Sash or casement sections	United States	515	...	...	2,150	...	...
	Belgium	36	...	...	289	...	...
	United Kingdom	...	...	...	69	...	...
Cold rolled, n.o.p.	United States	386	7	10.2	2,365	147	21.0
	United Kingdom	123	...	...	2,278	27	16.1
	Belgium	1	...	...	75	...	...
	Sweden	68	...	...	122	...	...
Cold rolled, for agricultural implements	United States	374	1	...	2,567	10	4.0
	United Kingdom	45	207	16	...

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Table 14 - Imports of Primary Forms of Iron and Steel, June and Year to Date, 1951 (Continued)

Commodity	Country of origin	J u n e			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Bars and sections - (concluded)							
Tool steel	United States	9	121	...	113	574	...
	United Kingdom	20	58	...	546	476	...
	Sweden	...	...	...	...	6	...
Structurals	United States	11,748	...	...	84,883	1	1.3
	United Kingdom	3,593	...	...	13,597	1	...
	Belgium	7,105	...	...	28,283	...	...
	France	2,260	...	...	2,879	...	...
	Germany	17	...	...	691	...	...
Plates -							
78" and under in width	United States	3,414	7	37.3	15,112	118	188.4
	United Kingdom	3,837	3	...	21,583	13	82.6
	Japan	224	...	...	443	...	...
	Germany	665	...	...	1,324	...	...
	France	1,990	...	...	4,871	...	...
Over 78" and under 100" in width	Belgium	2,159	...	...	5,709	...	...
	United States	1,357	33	5.7	7,808	33	12.6
	United Kingdom	1,741	...	...	15,598	...	...
	Belgium	...	...	...	327	...	...
	France	...	...	...	244	...	...
100" in width and over	Austria	...	...	...	27	...	...
	United States	300	19	...	2,258	19	3.0
	United Kingdom	267	...	...	521	...	...
	Belgium	...	...	...	436	...	...
Flanged, dished or curved	United States	306	...	.3	1,210	...	21.7
Boiler, pulp-mill digesters	United States	173	...	...	3,100	...	36.2
	United Kingdom	461	...	...	1,405	...	...
	Belgium	...	...	...	21	...	...
	France	...	...	...	27	...	...
Chequered or surface pattern	United States	508	...	...	2,707	...	...
	United Kingdom	218	...	...	852	...	...
Painted	United States	...	...	...	2	...	...
Sheets -							
Silicon .075 or more	United States	...	2,089	...	...	12,725	...
	United Kingdom	...	61	...	...	647	...
Galvanized	United States	641	...	...	4,979	...	...
	United Kingdom	134	...	...	2,519	...	...
	France	...	...	...	111	...	...
	Germany	63	...	...	63	...	...
Hot rolled -							
18 gauge and heavier	United States	7,596	5	5.5	38,535	167	108.4
	Germany	1,989	...	...	3,877	...	5.9
	Belgium	2,220	...	...	12,517	...	...
	United Kingdom	943	...	1.3	5,709	75	122.8
	France	1,084	...	...	5,740	...	...
	Sweden	51	...	...	155	...	...
	Japan	413	...	...	817	...	...
Lighter than 18 gauge	United States	711	21	17.2	3,477	82	81.3
	United Kingdom	107	...	...	1,203	3	15.1
	Belgium	427	...	...	2,126	...	...
	France	105	...	...	1,507	...	...
	Japan	...	...	...	516	...	...
	Germany	330	...	...	565	...	...
	United States	411	...	...	1,716	...	...
For hollow ware (vitreous enamel) ..	United Kingdom	22	33
	Belgium	55
	France	441	1,068
	Germany	34	117

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Table 14 - Imports of Primary Forms of Iron and Steel, June and Year to Date, 1951 (Continued)

Table 14 - Imports of Primary Forms of Iron and Steel, June and Year to Date, 1922 (Continued)		J u n e			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets -							
Hot rolled - (concluded)							
Corrugated	United States	330	...	...	2,063	...	...
	United Kingdom	33	...	...	152	...	...
Coated with paint, tar, asphaltum, etc.	United States	21	...	...	478	...	...
	Germany	28	...	...	28	...	...
For saws	United States	21	104	...	85	587	...
	United Kingdom	...	...	...	5	71	...
For cold rolled strip	United States	...	...	...	153	...	...
For tubes	United States	61	...	...	1,118	...	...
Cold rolled -							
18 gauge and heavier	United States	1,345	8	110.0	6,975	8	560.3
	United Kingdom	208	...	...	1,764	9	61.0
	Belgium	30	...	...	146	4	...
	Italy	...	...	...	827	...	...
	Germany	...	...	...	784	...	...
	France	...	...	...	197	...	...
Lighter than 18 gauge	United States	2,599	50	135.3	18,785	52	1,042.3
	United Kingdom	284	...	...	1,513	...	25.3
	Sweden	...	...	...	1	...	...
	France	...	...	...	122	...	...
	Belgium	473	...	...	1,924	...	...
	Germany	229	...	...	259	...	...
For hollow ware (vitreous enamel)..	United States	1,315	...	...	6,805	...	...
	United Kingdom	131	...	...	1,441	...	...
	France	22	...	...	175	...	...
	Belgium	...	...	...	649	...	...
	Germany	215	...	...	474	...	...
Black plate - Tin mill	United States	118	...	...	632	...	...
	United Kingdom	11	...	...	69	...	...
Coated with paint, tar, asphaltum, etc.	United States	6	...	...	160	...	...
	United Kingdom	...	...	...	82	...	...
For heating apparatus	United States	95	...	...	351	...	...
For saws	United States	...	1	...	9	75	...
	Sweden	...	...	...	1	3	...
For tubes	United States	151	...	...	2,122	...	...
Tin plate - Primes							
	United States	45	...	...	111	...	...
	United Kingdom	52	...	...	340	...	...
Seconds	United Kingdom	...	...	...	20	...	...
Electrolytic 25#	United States	136	...	...	253	...	...
Terne plate - Long							
	United States	559	...	...	2,878	...	...
	United Kingdom	39	...	...	98	...	...
Short	United States	262	...	...	1,476	...	...
	United Kingdom	...	...	...	121	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,166	...	...	8,277	27	17.2
	Belgium	138	...	...	447	...	...
	United Kingdom	127	...	...	639	2	...
	France	...	...	...	125	...	...
	Germany	...	...	...	71	...	...
Lighter than 18 gauge	United States	83	...	.1	748	...	41.0
	United Kingdom	...	...	...	39	...	...
	Belgium	299	...	...	310	...	...
For cold rolling	United States	75	...	...	1,149	...	...
	United Kingdom	...	...	...	1	...	...
Painted	United States	5	...	...	1,710	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	60	890

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Table 14 - Imports of Primary Forms of Iron and Steel, June and Year to Date, 1951 (Continued)

Commodity	Country of origin	J u n e			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip -							
Hot rolled - (concluded)							
For saws	United States	19	27	...	229	331	...
	United Kingdom	3	6	...	3	7	...
For motor vehicles	United States	1,718	...	...	9,984	...	...
	Belgium	20	...	...	20	...	...
For hoops	United States	281	...	...	1,011	...	...
	United Kingdom	19	...	...	665	...	...
	Belgium	203	...	...	203	...	...
	Sweden	...	...	...	6	...	...
For tubes	United States	...	...	...	847	...	...
	Belgium	...	...	...	619	...	...
For tubular products	United States	...	...	...	71	...	...
Silicon .075 or more	United States	...	...	...	...	1,805	...
Cold rolled -							
18 gauge and heavier	United States	408	8	66.3	2,779	96	206.9
	United Kingdom	...	1	.4	117	1	1.3
	Sweden	...	...	...	21	...	6.6
	Germany	...	...	...	6	...	...
	Belgium	...	...	...	98	...	...
Lighter than 18 gauge	United States	602	5	182.2	3,543	17	998.3
	Sweden	27	30	...	194	58	...
	United Kingdom	44	...	...	193	6	...
	France	83	...	...	83	...	...
	Belgium	...	...	...	...	4	...
Painted	United States	990	...	...	3,074	...	...
	Germany	...	...	...	33	...	...
	United Kingdom	...	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	47	...	...	443	...	...
	United Kingdom	...	...	...	68	...	...
For saws	United States	8	53	...	80	118	...
	Sweden	...	11	...	...	64	...
	United Kingdom	...	...	...	2	...	...
For tubes	United States	104	...	...	1,989	...	...
	France	...	...	...	271	...	...
	Germany	48	...	...	48	...	...
For tubular products	United States	124	...	...	802	...	.6
For butt hinges	United States	49	...	...	730	...	...
Silicon .075 or more	United States	...	...	...	...	50	...
Galvanized strip	United States	497	...	...	3,268	...	...
	United Kingdom	64	...	...	401	...	...
	Germany	43	...	...	104	...	...
Skelp -							
15 $\frac{3}{8}$ " in width	United States	7,217	...	...	52,458	...	...
	France	...	...	...	1,863	...	...
	Belgium	1,295	...	...	4,618	...	...
	United Kingdom	3,176	...	...	4,026	...	...
Over 15 $\frac{3}{8}$ " in width	United States	67	...	...	1,018	...	...
	Germany	411	...	...	411	...	...
Plate	United States	...	...	...	638	...	...
Pipes and tubes -							
Cast	United States	83	...	...	734	...	...
	United Kingdom	2,148	...	...	5,587	...	...
	Germany	2,845	...	...	2,845	...	...
Bedstead	United States	5	...	...	260	...	...
	France	22	...	...	22	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, June and Year to Date, 1951 (Continued)

Table 14 - Imports of Primary Forms of Iron and Steel, June and Year to Date, 1951 (Continued)							
Commodity	Country of origin	J u n e			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes - (concluded)							
Repair of pressure parts of boilers -							
Hot finished	United States	221	4	...	1,756	78	...
	United Kingdom	227	...	...	1,179	...	...
Cold drawn	United States	50	...	...	194	7	2.0
	United Kingdom	201	...	...	484	...	...
	Sweden	20	4	...	20	4	1.7
Welded	United States	72	...	...	651	...	.3
Seamless, 12" and under in diameter -							
Cold drawn	United States	436	27	20.7	2,170	569	85.9
	Sweden	33	...	...	584	...	...
	United Kingdom	313	...	9.1	1,390	41	92.7
Hot finished	United States	992	299	.3	3,734	1,161	2.7
	United Kingdom	1,614	...	...	2,702	...	...
	Czechoslovakia	...	...	...	1	...	...
	Germany	...	...	...	12	...	...
	France	32	...	...	32	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	438	...	...	1,383	5	...
	United Kingdom	472	...	...	4,144	...	...
Welded, 4" and under in diameter	United States	420	...	2.6	4,495	28	28.9
	United Kingdom	1,040	...	.7	4,058	...	.7
	Belgium	...	...	...	607	...	...
	Czechoslovakia	...	...	...	43	...	...
	Holland	...	...	...	1,143	...	...
	Germany	8	...	...	8	...	...
Welded, over 4" in diameter	United States	72	...	...	1,569	...	.6
	United Kingdom	74	...	...	236	...	...
	Germany	...	...	...	80	...	...
	Belgium	...	...	...	27	...	...
Tubing -							
Not over ½" diameter, welded and coated	United States	28	...	...	204	...	...
Spiral welded	United States	203	...	...	1,011	...	...
Casings	United States	4,998	...	...	34,417	...	...
	United Kingdom	1,087	...	...	4,880	...	...
	Germany	104	...	...	1,892	...	...
	Netherlands	...	...	...	35	...	...
	Belgium	164	...	...	673	...	...
Fittings and couplings	United States	408	...	5.1	2,224	...	20.3
	United Kingdom	114	...	...	430	...	...
	Germany	...	...	...	51	...	...
Wire rope	United States	51	...	...	428	...	...
	United Kingdom	64	...	...	725	...	...
	Belgium	...	...	...	1	...	...
	Germany	162	...	...	216	...	...
	Holland	...	...	...	8	...	...
Wire for rope	United States	656	...	...	3,180	...	...
	United Kingdom	699	...	...	4,422	...	...
	Norway	...	...	...	30	...	...
Wire - For fencing, galvanized	United States	...	...	...	32	...	...
For corset laces, steels, etc. .	United States	9	...	...	109	...	...
	United Kingdom	...	...	...	18	...	...
For spring mattresses, etc.	United States	480	...	...	2,322	...	...
	United Kingdom	7	...	...	102	...	...
	Czechoslovakia	...	...	...	100	...	...
	Belgium	16	...	...	16	...	...
	Germany	38	...	...	38	...	...
Wire cloth and netting	United States	55	...	.1	719	...	.3
	United Kingdom	...	...	...	304	...	...
	Germany	...	...	...	...	...	.3

Table 14 - Imports of Primary Forms of Iron and Steel, June and Year to Date, 1951 (Concluded)

Commodity	Country of origin	J u n e			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire, coated	United States	344	...	...	1,218	...	...
	United Kingdom	5	...	...	99	...	...
	France	...	...	...	106	...	...
	Germany	1	...	...	2	...	...
Wire, all other	United States	889	67	1.7	4,518	114	51.0
	United Kingdom	59	1	14.1	135	1	15.5
	Germany	55	...	...	123	1	...
	France	...	...	...	48	...	...
	Sweden	1	2	...	5	2	.2
	Belgium	168	...	...	238	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	95	...	...	240	...	...
	France	276	...	...	609	...	...
	Belgium	536	...	...	1,192	...	...
	Germany	582	...	...	639	...	...
	United Kingdom	...	...	...	113	...	...
Welding wire and welding rods	United States	15	15	1.2	379	59	98.1
	United Kingdom	...	...	...	...	1	36.5
Castings -							
For agricultural implements	United States	223	...	...	1,093	...	...
	United Kingdom	...	...	...	15	...	...
For ingot moulds	United States	2,168	...	...	11,468	...	...
Malleable	United States	19	...	...	331	...	...
Non-malleable	United States	109	...	...	784	...	...
	United Kingdom	...	...	...	1	...	...
Steel	United States	128	9	...	403	178	...
	Norway	...	...	...	20	...	...
For railway vehicles	United States	5	...	...	90	...	...
Rolls	United States	164	72	...	1,432	285	...
	United Kingdom	10	...	...	10	22	...
Piston rings (rough)	United States	79	...	...	275	...	...
Forgings	United States	175	154	.3	1,003	547	.3
	United Kingdom	43	99	...	594	247	...
	Germany	...	...	...	22	...	...
Wheels - For railway rolling stock	United States	6	...	...	122	...	...
	United Kingdom	738	...	...	2,670	...	...
Tires - For railway rolling stock	United States	13	...	...	145	...	...
	United Kingdom	332	19	...	3,853	19	...
Rails - 60 lb. and under	United States	52	...	...	165	...	...
	Belgium	20	...	...	682	...	...
	France	...	...	...	67	...	...
	Over 60 lb. and including 100 lb.	United States	66	...	560	...	...
Over 100 lb.	United States	16	...	...	85	...	...
Axles - For railway vehicles	United States	...	...	...	75	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	158	...	...	848	...	...
	Belgium	1	...	...	364	...	...
	France	...	...	...	2	...	...
	United Kingdom	...	...	...	510	...	...
Intersections, switches, frogs	United States	6	...	...	150	...	...
	Germany	...	...	...	1	...	...
Total Imports	United States	71,311	3,639	617.3	470,212	22,903	3,785.1
	All other	68,686	419	41.0	259,602	2,349	519.5
TOTAL		139,997	4,058	658.3	729,814	25,252	4,304.6

Table 15 - Exports of Primary Iron and Steel, June and Year to Date, 1951

	June	Year to date
	(Tons of 2,000 pounds)	
Pig iron	17,687	72,312
Ingots, blooms and billets	25	10,937
Bars	625	5,982
Rods	36	245
Plates, sheets and strips	3,389	17,312
Rails .....	...	...
Structural shapes	232	1,081
Pipe and tubing - Wrought iron	109	3,056
Cast iron	88	597
Galvanized	407	1,086
Other	205	887
Castings, iron and steel	2,083	10,213
Forgings	70	318
Total	24,956	124,026

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PRIMARY IRON AND STEEL

JULY - 1951

Pig Iron - Production of pig iron in Canada amounted to 210,263 tons in July compared with 194,016 tons in the corresponding month of last year. The total for the current month included 162,899 tons of basic iron, 29,876 tons of foundry iron and 17,488 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in July amounted to 17,608 tons compared with 19,774 tons in the previous month and with 16,118 tons in July of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during July totalled 274,602 tons compared with 264,190 tons in July of last year. Output in the month under review included 266,646 tons of ingots and 7,956 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During July, 1950 and 1951

	July, 1950		July, 1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	161,002	14,200	162,899	16,331
Foundry	13,917	13,036	29,876	24,083
Malleable	19,097	19,097	17,488	18,109
Total Pig Iron	194,016	46,333	210,263	58,523
<u>Ferro-alloys -</u>	16,118	...	17,608	...

(*) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Sales for the Seven Months Ended July, 1950 and 1951

	1950		1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	1,018,347	42,046	1,135,589	75,580
Foundry	120,301	118,253	184,644	183,566
Malleable	157,558	157,335	144,170	150,443
Total Pig Iron	1,296,206	317,634	1,464,403	409,589
<u>Ferro-alloys -</u>	95,572	...	137,920	...

(*) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During July, 1950 and 1951 and Seven Months Ended July, 1951

	July 1950	July 1951	Seven months ended July, 1951
	(Net tons of 2,000 pounds)		
Iron ore	347,052	348,253	2,533,327
Mill cinder, scale, sinter, etc.	37,936	43,928	298,392
Limestone	71,720	78,741	542,156
Dolomite	12,465	13,808	92,377
Coke	171,904	197,542	1,350,884
Scrap iron and steel	8,960	7,572	43,262

Table 4 - Iron Blast Furnaces

Name of Company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,745,000

Table 5 - Description of Iron Blast Furnaces at End of July, 1951

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	13	2,609,950	95.1
Banked .....	...	...	...
Blown out	1	135,050	4.9
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During July, 1950 and 1951

	July, 1950		July, 1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	221,141	17,267	227,859	8,178
Electric	37,884	5,407	38,787	3,023
Total Steel Ingots	259,025	22,674	266,646	11,201
Alloy steel ingots included in above	16,205	...	15,105	64
<u>Steel castings</u>				
Open hearth - basic	971	856	1,474	1,302
Converter	31	30	21	1
Electric	4,163	2,988	6,461	4,848
Total Steel Castings	5,165	3,874	7,956	6,151
Alloy steel castings included in above:-				
(a) High alloy, except manganese and abrasion resistant			140	112
(b) High alloy, manganese and abrasion resistant)	1,328	646	924	667
(c) All other alloys			669	215

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Seven Months Ended July, 1950 and 1951

	1950		1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	1,612,622	90,242	1,713,845	74,732
Electric	296,468	46,693	316,070	34,407
Total Steel Ingots	1,909,090	136,935	2,029,915	109,139
Alloy steel ingots included in above	114,482	...	125,898	5,349
<u>Steel castings</u>				
Open hearth - basic	10,995	9,809	16,283	14,551
Converter	93	87	114	72
Electric	33,036	24,207	52,981	40,818
Total Steel Castings	44,124	34,103	69,378	55,441
Alloy steel castings included in above (x)	10,822	6,239	14,256	8,098

(*) Includes amounts for sale and for own use.

(x) Breakdown not available for full period.

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Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During July, 1950 and 1951 and Seven Months Ended July, 1951

	J u l y 1 9 5 0	J u l y 1 9 5 1	Seven months ended July, 1951
	(Net tons of 2,000 pounds)		
Pig iron	140,999	148,530	1,068,876
Scrap - Own make	72,221	71,683	575,767
Purchased	72,322	78,899	634,226

Table 9 - Steel Furnace Capacity at End of July, 1951

	Annual Capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings.	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1950 and 1951

Month	Pig Iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 5 0</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
November	208,301	16,920	279,754	9,734	289,488
December	198,169	15,341	281,474	9,768	291,242
Total	2,309,732	181,575	3,298,068	86,063	3,384,131
<u>1 9 5 1</u>					
January	201,086	19,062	299,410	10,243	309,653
February	193,227	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
Total - Seven months	1,464,403	137,920	2,029,915	69,378	2,099,293

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 242,633 net tons in July, 1951 compared with 221,792 tons in July, 1950. The July shipments included 473 tons of semi-finished shapes, 12,458 tons of structurals, 14,765 tons of plates, 19,597 tons of rails, 9,103 tons of tie plates and track material, 41,836 tons of hot rolled bars, 17,571 tons of pipes and tubes, 25,887 tons of wire rods, 29,569 tons of black sheets, 9,511 tons of galvanized sheets, 8,043 tons of castings, and 47,070 tons of other rolled products. The amount of producers' interchange was 131,687 tons in July, 1951 as against 125,607 tons in July, 1950.

Of the amounts shipped for sale during July, 44,618 tons went direct to railways and railway car shops; 15,198 tons went to pressing, forming and stamping plants; 30,500 tons to merchant trade products; 31,977 tons to building construction; 25,270 tons to the containers industry; 12,457 tons to agricultural equipment; 23,592 tons to the automotive industry; 13,719 tons to machinery plants; 2,597 tons to shipbuilding; 10,864 tons to mining, lumbering, etc., and 7,344 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 21,650 tons, and exports for 2,847 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 131,687 tons in July, 1951.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, July, 1951

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	8,197	5,168	3,865
Other semi-finished shapes, not for re-rolling by makers	34,424	473	33,337
Structural shapes and piling	13,274	12,458	...
Plates	12,576	14,572	...
Rails	16,204	19,597	...
Tie plates and track material: Splice bars	3,856	1,654	...
Tie plates	5,940	6,293	...
Spikes	1,028	1,156	...
Concrete reinforcing bars	13,330	15,245	...
Hot rolled bars for cold finishing	452	...	599
Other hot rolled bars	41,911	33,706	9,922
Pipes and tubes	14,946	17,571	...
Wire rods	25,827	25,735	28
Hot rolled black sheets	64,683	15,229	50,399
Cold reduced black sheets	18,964	14,340	5,342
Galvanized sheets	9,775	9,511	...
Steel castings	6,224	6,363	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	55,344	30,788	27,333
Total - Carbon Steel	346,955	229,859	130,825
<u>Alloy Steel</u>			
Billets, etc., for forging	852	1,582	...
Other semi-finished shapes, not for re-rolling by makers	793	...	800
Structural shapes and piling .....	...	...	...
Plates	138	193	...
Hot rolled bars for cold finishing	31	...	55
Other hot rolled bars	10,056	8,130	7
Pipes and tubes .....	...	...	...
Wire rods	86	152	...
Steel castings	1,820	1,680	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	944	1,037	...
Total - Alloy Steel	14,720	12,774	862

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

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Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Seven Months Ended July 1951

	<div>1921</div> <div>Production</div> <div>(Including producers' interchange)</div>	<div>Shipments</div> <div>For Producers'</div> <div>sale interchange</div>	
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	64,691	33,490	34,609
Other semi-finished shapes, not for re-rolling by makers	293,333	2,391	288,587
Structural shapes and piling	124,227	111,667	8
Plates	114,600	115,361	...
Rails	159,264	160,330	...
Tie plates and track material - Splice bars ...	14,083	11,303	...
Tie plates	41,543	40,354	...
Spikes	9,739	10,042	...
Concrete reinforcing bars	83,932	83,754	...
Hot rolled bars for cold finishing	6,085	...	6,159
Other hot rolled bars	313,173	264,310	63,738
Pipes and tubes	144,022	155,517	4
Wire rods	185,804	184,350	346
Hot rolled black sheets	502,434	134,542	365,385
Cold reduced black sheets	131,941	95,748	33,610
Galvanized sheets	65,238	66,157	239
Steel castings	55,029	53,325	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	425,987	229,612	193,318
Total - Carbon Steel	2,735,125	1,752,253	986,003
<u>Alloy Steel</u>			
Billets, etc., for forging	10,872	10,381	924
Other semi-finished shapes, not for re-rolling by makers	2,778	...	2,785
Structural shapes and piling .....	...	...	...
Plates	1,250	1,300	...
Hot rolled bars for cold finishing	80	...	62
Other hot rolled bars	57,804	54,742	170
Pipes and tubes .....	...	...	...
Wire rods	579	601	...
Steel castings	14,691	13,805	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and exles and all other)	7,035	6,555	...
Total - Alloy Steel	95,089	87,384	3,941

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, July and Year to Date, 1951

	J u l y		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	15,828	7,764	109,368	50,872
Agricultural, including farm machinery .	11,953	504	84,958	2,060
Building construction	31,946	31	231,292	602
Containers industry	25,253	17	178,751	50
Machinery and tools	12,752	967	86,620	6,896
Merchant trade products	30,234	266	234,513	2,627
Mining, lumbering, etc.	9,865	999	67,706	7,051
National defence	3,393	227	16,782	3,358
Pressing, forming and stamping	15,032	166	107,923	1,559
Public works and utilities	2,202	12	16,084(*)	307
Railway operating	31,526	344	259,841	1,724
Railway cars and locomotives	12,568	180	109,062	1,574

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Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, July and Year to Date, 1951 (Concluded)

	J u l y		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Shipbuilding	2,479	118	21,425	352
Miscellaneous and unclassified	1,277	233	11,533	1,899
Wholesalers and warehouses	21,366	284	196,891	1,692
Direct export (a) to British Empire	371	179	2,651	734
(b) to other countries ...	1,814	483	16,853	4,027
Total Shipped for Sale	229,859	12,774	1,752,253	87,384
Producers' interchange	130,825	862	986,003	3,941

(*) Revised.

Table 14 - Imports of Primary Forms of Iron and Steel, July and Year to Date, 1951

Table 14 - Imports of Primary Forms of Iron and Steel, July and Year to Date, 1951							
Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	...	...	...	1,620	...	...
	Germany	...	...	...	1,471	...	...
Foundry	Germany	10,079	...	...	10,079	...	...
Malleable	United States	...	...	...	286	...	...
Special	United States	...	...	...	313	...	...
Ingots	United States	808	...	...	33,227	114	...
Billets, blooms, slabs and sheet bars .	United States	238	135	...	328	402	...
	United Kingdom	...	...	...	...	10	...
	Germany	...	...	...	545	...	...
Tube rounds and tube billets	United States	54	...	...	2,739	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	3,106	262	19.2	20,794	2,656	147.2
	United Kingdom	890	96	17.1	6,693	565	51.2
	Belgium	3,805	...	...	13,097	...	...
	France	2,031	...	...	6,296	...	...
	Japan	...	...	...	860	...	...
	Germany	358	...	...	5,489	5	...
	Sweden	...	...	...	1	10	...
	Austria	...	...	...	465	...	...
Hot rolled -							
For agricultural implements	United States	705	...	...	8,782	1	...
	United Kingdom	183	...	...	266	...	...
Rounds over 4 7/8", squares over 4" ..	United States	83	55	...	384	78	...
	United Kingdom	9	28	...	306	52	.5
Angles, channels, etc.	United States	118	2	15.7	3,042	33*	33.5*
	Belgium	1,315	...	...	6,333*	...	...
	United Kingdom	1,243	...	...	5,859*	...	.6
	France	963	...	...	2,369*	...	...
	Germany	111	...	...	299*	...	...
Structurals (bar sizes) for agri- cultural implements	United States	186	...	...	3,845	...	2.2*
	United Kingdom	112	...	...	830*	...	...
	France	...	...	...	152*	...	...
	Germany	...	...	...	...*	...	...
	Belgium	...	...	...	...*	...	...
Sash or casement sections	United States	63	...	...	2,213	...	...
	Belgium	...	...	...	289	...	...
	United Kingdom	...	...	...	69	...	...
Cold rolled, n.o.p.	United States	381	14	20.0	2,746	161	41.0
	United Kingdom	189	82	...	2,467	109	16.1
	Belgium	30	...	...	105	...	...
	Sweden	...	33	...	122	33	...
	Germany	106	...	...	106	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, July and Year to Date, 1951 (Continued)

Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (concluded)							
Cold rolled, for agricultural implements	United States	614	22	...	3,181	32	4.0
	United Kingdom	10	...	...	217	16	...
Tool steel	United States	7	68	...	120	642	...
	United Kingdom	14	175	...	560	651	...
	Sweden	...	...	...	...	6	...
Structurals	United States	14,653	...	...	99,536	1	1.3
	United Kingdom	1,885	1	...	15,482	2	...
	Belgium	5,974	...	...	34,257	...	...
	France	1,623	...	...	4,502	...	...
	Germany	...	...	...	691	...	...
Plates -							
78" and under in width	United States	5,817	14	33.0	20,929	132	221.4
	United Kingdom	1,724	...	3.5	23,307	13	86.1
	Japan	50	...	...	493	...	...
	Germany	641	...	...	1,965	...	...
	France	2,047	...	...	6,918	...	...
	Belgium	2,271	...	...	7,980	...	...
Over 78" and under 100" in width	United States	2,673	...	20.8	10,481	33	33.4
	United Kingdom	2,617	...	...	18,215	...	...
	Belgium	...	...	...	327	...	...
	France	...	...	...	244	...	...
	Austria	...	...	...	27	...	...
100" in width and over	United States	1,418	...	...	3,676	19	3.0
	United Kingdom	89	...	...	610	...	...
	Belgium	...	...	...	436	...	...
Flanged, dished or curved	United States	212	...	.2	1,422	...	21.9
Boiler, pulp-mill digesters	United States	276	...	...	3,376	...	36.2
	United Kingdom	42	...	...	1,447	...	...
	Belgium	...	...	...	21	...	...
	France	...	...	...	27	...	...
Chequered or surface pattern	United States	272	...	...	2,979	...	...
	United Kingdom	37	...	...	889	...	...
Painted	United States	...	...	...	2	...	...
Sheets -							
Silicon .075 or more	United States	...	2,335	...	...	15,060	...
	United Kingdom	...	162	...	...	809	...
Galvanized	United States	930	...	...	5,909	...	...
	United Kingdom	527	...	...	3,046	...	...
	France	138	...	...	249	...	...
	Germany	...	...	...	63	...	...
	Belgium	243	...	...	243	...	...
Hot rolled -							
18 gauge and heavier	United States	6,353	9	32.9	44,888	176	141.3
	Germany	1,765	...	...	5,642	...	5.9
	Belgium	729	...	...	13,246	...	...
	United Kingdom	992	...	40.3	6,701	75	163.1
	France	351	...	...	6,091	...	...
	Sweden	...	...	...	155	...	...
	Japan	27	...	...	844	...	...
Lighter than 18 gauge	United States	621	1	36.3	4,098	83	117.6
	United Kingdom	169	...	5.2	1,372	3	20.3
	Belgium	378	...	...	2,504	...	...
	France	131	...	...	1,638	...	...
	Japan	56	...	...	572	...	...
	Germany	284	...	...	849	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, July and Year to Date, 1951 (Continued)

Table 14 - Imports of Primary Forms of Iron and Steel, July and Year to Date, 1922 (Continued)							
Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Hot rolled -							
For hollow ware (vitreous enamel)..	United States	62	...	...	1,778	...	...
	United Kingdom	...	...	...	33	...	...
	Belgium	...	...	...	55	...	...
	France	...	...	...	1,068	...	...
	Germany	161	...	...	278	...	...
Corrugated	United States	460	...	...	2,523	...	...
	United Kingdom	...	...	...	152	...	...
Coated with paint, tar, asphaltum, etc.	United States	11	...	...	489	...	...
	Germany	...	...	...	28	...	...
For saws	United States	...	50	...	85	637	...
	United Kingdom	...	...	...	5	71	...
For cold rolled strip	United States	...	...	...	153	...	...
For tubes	United States	71	...	...	1,189	...	...
Cold rolled -							
18 gauge and heavier	United States	1,714	14	43.7	8,689	22	604.0
	United Kingdom	323	1	11.3	2,087	10	72.3
	Belgium	25	...	...	171	4	...
	Italy	...	...	...	827	...	...
	Germany	39	...	...	823	...	...
	France	58	...	...	255	...	...
Lighter than 18 gauge	United States	2,674	5	178.3	21,459	57	1,220.6
	United Kingdom	361	1	1.5	1,874	1	26.8
	Sweden	...	...	...	1	...	...
	France	175	...	...	297	...	...
	Belgium	...	...	...	1,924	...	...
	Germany	...	...	...	259	...	...
For hollow ware (vitreous enamel)..	United States	983	...	...	7,788	...	...
	United Kingdom	276	...	...	1,717	...	...
	France	...	...	...	175	...	...
	Belgium	...	...	...	649	...	...
	Germany	...	...	...	474	...	...
Black plate - Tin mill	United States	...	...	...	632	...	...
	United Kingdom	...	...	...	69	...	...
Coated with paint, tar, asphaltum, etc.	United States	60	...	...	220	...	...
	United Kingdom	...	...	...	82	...	...
For heating apparatus	United States	58	...	...	409	...	...
For saws	United States	73	17	...	82	92	...
	Sweden	...	1	...	1	4	...
For tubes	United States	1,673	...	...	3,795	...	...
Tin plate - Primes	United States	13	...	...	124	...	...
	United Kingdom	92	...	...	432	...	...
Seconds	United Kingdom	...	...	...	20	...	...
Electrolytic 25#	United States	85	...	...	338	...	...
Terne plate - Long	United States	475	...	...	3,353	...	...
	United Kingdom	10	...	...	108	...	...
Short	United States	219	...	...	1,695	...	...
	United Kingdom	...	...	...	121	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,272	...	.3	9,549	27	17.5
	Belgium	415	...	...	862	...	...
	United Kingdom	6	...	...	645	2	...
	France	...	...	...	125	...	...
	Germany	...	...	...	71	...	...
Lighter than 18 gauge	United States	524	800	...	41.4
	United Kingdom	36	75
	Belgium	36	346

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Table 14 - Imports of Primary Forms of Iron and Steel, July and Year to Date, 1951 (Continued)

Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip - (concluded)							
Hot rolled -							
For cold rolling	United States	197	...	...	1,346	...	...
	United Kingdom	12	...	...	13	...	...
Painted	United States	...	...	...	1,710	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	31	30	...	921	30	...
For saws	United States	...	...	...	229	331	...
	United Kingdom	...	...	...	3	7	...
For motor vehicles	United States	1,674	...	...	11,658	...	...
	Belgium	...	...	...	20	...	...
For hoops	United States	296	...	...	1,307	...	...
	United Kingdom	20	...	...	685	...	...
	Belgium	576	...	...	779	...	...
	Sweden	...	...	...	6	...	...
For tubes	United States	...	...	...	847	...	...
	Belgium	...	...	...	619	...	...
For tubular products	United States	...	...	...	71	...	...
Silicon .075 or more	United States	...	...	...	...	1,805	...
Cold rolled -							
18 gauge and heavier	United States	246	1	41.8	3,025	97	248.7
	United Kingdom	66	...	...	183	1	1.3
	Sweden	...	...	...	21	...	6.6
	Germany	...	...	...	6	...	...
	Belgium	...	...	...	98	...	...
Lighter than 18 gauge	United States	362	6	141.1	3,905	23	1,139.4
	Sweden	209	12	...	403	70	...
	United Kingdom	80	...	...	273	6	...
	France	24	...	...	107	...	...
	Belgium	25	...	...	25	4	...
	Germany	122	...	...	122	...	...
Painted	United States	589	...	...	3,663	...	...
	Germany	...	...	...	33	...	...
	United Kingdom	...	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	17	...	...	460	...	...
	United Kingdom	49	...	...	117	...	...
For saws	United States	2	42	...	82	160	...
	Sweden	...	15	...	...	79	...
	United Kingdom	...	...	...	2	...	...
For tubes	United States	143	...	...	2,132	...	...
	France	...	...	...	271	...	...
	Germany	...	...	...	48	...	...
	Belgium	329	...	...	329	...	...
For tubular products	United States	68	...	...	870	...	.6
For butt hinges	United States	111	...	...	841	...	...
Silicon .075 or more	United States	...	...	...	...	50	...
Galvanized strip	United States	453	...	...	3,721	...	...
	United Kingdom	45	...	...	446	...	...
	Germany	...	...	...	104	...	...
Skelp -							
15 $\frac{3}{8}$ " and under in width	United States	12,140	...	...	64,598	...	...
	France	493	...	...	2,356	...	...
	Belgium	2,994	...	...	7,612	...	...
	United Kingdom	2,994	...	...	7,020	...	...
Over 15 $\frac{3}{8}$ " in width	United States	...	...	...	1,018	...	...
	Germany	...	...	...	411	...	...
Plate	United States	200	...	...	838	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, July and Year to Date, 1951 (Continued)

Table 14 - Imports of Primary Forms of Iron and Steel, July and Year to Date, 1921 (Continued)							
Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes -							
Cast	United States	8	...	...	742	...	...
	United Kingdom	1,797	...	...	7,384	...	...
	Germany	...	...	...	2,845	...	...
Bedstead	United States	24	...	...	284	...	.2
	France	...	...	...	22	...	...
	United Kingdom	42	...	...	42	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	301	.1	...	2,057	79	...
	United Kingdom	523	...	...	1,702	...	...
	Sweden	86	...	...	86	...	...
Cold drawn	United States	437	86	19.3	631	93	21.3
	United Kingdom	413	2	38.0	897	2	38.0
	Sweden	...	42	...	20	46	1.7
Welded	United States	...	...	...	651	...	.3
Seamless, 12" and under in diameter -							
Cold drawn	United States	1,327	...	...	3,497	569	85.9
	Sweden	...	...	...	584	...	...
	United Kingdom	...	...	...	1,390	41	92.7
Hot finished	United States	...	85	...	3,734	1,246	2.7
	United Kingdom	661	2	...	3,363	2	...
	Czechoslovakia	...	...	...	1	...	...
	Germany	...	...	...	12	...	...
	France	293	...	...	325	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	197	...	...	1,580	5	...
	United Kingdom	...	...	...	4,144	...	...
Welded, 4" and under in diameter	United States	331	...	.6	4,826	28	29.5
	United Kingdom	195	...	.9	4,253	...	1.6
	Belgium	111	...	...	718	...	...
	Czechoslovakia	...	...	...	43	...	...
	Holland	...	...	...	1,143	...	...
	Germany	...	...	...	8	...	...
Welded, over 4" in diameter	United States	28	...	...	1,597	...	.6
	United Kingdom	153	...	...	389	...	...
	Germany	...	...	...	80	...	...
	Belgium	...	...	...	27	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	30	...	...	234	...	...
Spiral welded	United States	16	...	...	1,027	...	...
Casings	United States	4,080	...	...	38,497	...	...
	United Kingdom	1,143	...	...	6,023	...	...
	Germany	159	...	...	2,051	...	...
	Netherlands	...	...	...	35	...	...
	Belgium	487	...	...	1,160	...	...
	France	222	...	...	222	...	...
Fittings and couplings	United States	416	...	4.5	2,640	...	24.8
	United Kingdom	3	...	...	433	...	...
	Germany	1	...	...	52	...	...
Wire rope	United States	62	...	1.3	490	...	3.3
	United Kingdom	53	...	...	778	...	...
	Belgium	...	...	...	1	...	...
	Germany	...	...	...	216	...	...
	Holland	...	...	...	8	...	...
Wire for rope	United States	754	...	.3	3,934	...	.3
	United Kingdom	984	...	...	5,406	...	...
	Norway	...	...	...	30	...	...
Wire - For fencing, galvanized	United States	...	...	...	32	...	...
For corset laces, steels, etc. .	United States	3	...	...	112	...	...
	United Kingdom	13	...	...	31	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, July and Year to Date, 1951 (Continued)

Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Wire - (concluded)							
For spring mattresses, etc.	United States	316	...	...	2,638	...	...
	United Kingdom	11	...	...	113	...	...
	Czechoslovakia	...	...	...	100	...	...
	Belgium	20	...	...	36	...	...
	Germany	...	...	...	38	...	...
Wire cloth and netting	United States	279	...	...	998	...	.3
	United Kingdom	51	...	...	355	...	...
	Germany	...	...	...	...	...	.3
Wire, coated	United States	380	...	...	1,598	...	...
	United Kingdom	7	...	...	106	...	...
	France	...	...	...	106	...	...
	Germany	...	...	...	2	...	...
Wire, all other	United States	616	54	.5	5,134	168	51.5
	United Kingdom	54	3	.7	189	4	16.2
	Germany	135	2	...	258	3	...
	France	44	...	...	92	...	...
	Sweden	9	1	...	14	3	.2
	Belgium	...	...	...	238	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	31	...	...	271	...	...
	France	1,175	...	...	1,784	...	...
	Belgium	100	...	...	1,292	...	...
	Germany	249	...	...	888	...	...
	United Kingdom	...	...	...	113	...	...
	Sweden	133	...	...	133	...	...
Welding wire and welding rods	United States	275	35	2.9	654	94	101.0
	United Kingdom	...	...	...	...	1	36.5
Castings -							
For agricultural implements	United States	370	...	...	1,463	...	...
	United Kingdom	...	...	...	15	...	...
For ingot moulds	United States	2,203	...	...	13,671	...	...
	United Kingdom	87	...	...	87	...	...
Malleable	United States	77	...	...	408	...	...
Non-malleable	United States	63	...	...	847	...	...
	United Kingdom	...	...	...	1	...	...
Steel	United States	56	1	...	459	179	...
	Norway	...	...	...	20	...	...
	United Kingdom	22	...	...	22	...	...
For railway vehicles	United States	64	...	...	154	...	...
Rolls	United States	167	62	...	1,599	347	...
	United Kingdom	...	...	...	10	22	...
Piston rings (rough)	United States	72	...	...	347	...	...
Forgings	United States	144	24	6.3	1,147	571	6.6
	United Kingdom	121	87	...	715	334	...
	Germany	...	...	...	22	...	...
Wheels - For railway rolling stock	United States	...	...	...	122	...	...
	United Kingdom	1,299	...	...	3,969	...	...
Tires - For railway rolling stock	United States	...	...	...	145	...	...
	United Kingdom	1,607	...	...	5,460	19	...
Rails - 60 lb. and under	United States	57	...	...	222	...	...
	Belgium	135	...	...	817	...	...
	France	...	...	...	67	...	...
Over 60 lb and including 100 lb	United States	...	...	...	560	...	...
	United Kingdom	2,305	...	...	2,305	...	...
Over 100 lb.	United States	...	...	...	85	...	...
Axles - For railway vehicles	United States	...	...	...	75	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, July and Year to Date, 1951 (Concluded)

Table 12 - Imports of Primary Forms of Iron and Steel, July and Year to Date, 1922 (Continued)							
Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Track material -							
Angles, bars, tie plates, rail joints	United States	201	...	...	1,049	...	...
	Belgium	9	...	...	373	...	...
	France	...	...	...	2	...	...
	United Kingdom	181	...	...	691	...	...
Intersections, switches, frogs	United States	12	...	...	162	...	...
	Germany	...	...	...	1	...	...
<hr/>							
Total Imports	United States	79,469	3,430	619.4	549,681	26,333	4,404.5
	All other	71,382	746	118.5	330,984	3,095	638.0
<hr/>							
TOTAL		150,851	4,176	737.9	880,665	29,428	5,042.5

* Revised.

Table 15 - Exports of Primary Iron and Steel, July and Year to Date, 1951

	July	Year to date
(Tons of 2,000 pounds)		
Pig iron	17,481	89,793
Ingots, blooms and billets	27	10,964
Bars	899	6,881
Rods	81	326
Plates, sheets and strips	1,715	19,027
Rails .....	...	...
Structural shapes	207	1,288
Pipe and tubing - Wrought iron	310	3,367
Cast iron	42	639
Galvanized	310	1,396
Other	104	992
Castings, iron and steel	2,257	12,471
Forgings	798	1,117
Total	24,231	148,261

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Industry and Merchandising Division

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PRIMARY IRON AND STEELAUGUST - 1951

Pig Iron - Production of pig iron in Canada amounted to 203,186 tons in August compared with 201,830 tons in the corresponding month of last year. The total for the current month included 164,370 tons of basic iron, 19,168 tons of foundry iron and 19,648 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in August amounted to 25,327 tons compared with 17,608 tons in the previous month and with 19,018 tons in August of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during August totalled 286,804 tons compared with 281,312 tons in August of last year. Output in the month under review included 277,931 tons of ingots and 8,873 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During August, 1950 and 1951

	August, 1950		August, 1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	151,831	4,398	164,370	18,124
Foundry	14,160	13,960	19,168	20,367
Malleable	35,839	35,024	19,648	17,260
Total Pig Iron	201,830	53,382	203,186	55,751
<u>Ferro-alloys</u>	19,018	...	25,327	...

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Sales for the Eight Months Ended August, 1950 and 1951

	1950		1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	1,170,178	46,444	1,300,004	93,704
Foundry	134,461	132,213	207,829	203,933
Malleable	193,397	192,359	163,817	167,703
Total Pig Iron	1,498,036	371,016	1,671,650	465,340
<u>Ferro-alloys</u>	114,590	...	159,230	...

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During August, 1950 and 1951 and Eight Months Ended August, 1951

	August 1950	August 1951	Eight months ended August, 1951
	(Net tons of 2,000 pounds)		
Iron ore	354,802	347,465	2,880,792
Mill cinder, scale, sinter, etc. .	41,117	47,410	345,802
Limestone	77,634	74,798	616,954
Dolomite	10,852	13,586	105,963
Coke	185,008	193,155	1,544,039
Scrap iron and steel	7,275	6,706	49,968

UNIVERSITY OF TORONTO

1951

Table 4 - Iron Blast Furnaces

Name of Company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd. ..	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		15	3,025,000

Table 5 - Description of Iron Blast Furnaces at End of August, 1951

Condition of furnaces	Number of furnaces	Total annual capacity	Per cent
		Net tons	
In blast	14	2,889,950	95.5
Banked .....	...	...	...
Blown out	1	135,050	4.5
Total	15	3,025,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During August, 1950 and 1951

	August, 1950		August, 1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	227,334	12,716	238,477	13,211
Electric	47,765	6,553	39,454	4,104
Total Steel Ingots	275,099	19,269	277,931	17,315
Alloy steel ingots included in above	11,514	...	19,944	15
<u>Steel-Castings</u>				
Open hearth - basic	1,554	1,398	2,698	2,377
Converter	31	30	17	14
Electric	4,628	3,795	6,158	4,961
Total Steel Castings	6,213	5,223	8,873	7,352
Alloy steel castings included in above:-				
(a) High alloy, except manganese and abrasion resistant			128	114
(b) High alloy, manganese and abrasion resistant)	1,256	824	833	497
(c) All other alloys			603	248

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Eight Months Ended August, 1950 and 1951

	1950		1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	1,839,956	102,958	1,952,322	87,943
Electric	344,233	53,246	355,524	38,511
Total Steel Ingots	2,184,189	156,204	2,307,846	126,454
Alloy steel ingots included in above	125,996	...	142,063	5,364
<u>Steel castings</u>				
Open hearth - basic	12,549	11,207	18,981	16,928
Converter	124	117	131	86
Electric	37,664	28,002	59,139	45,779
Total Steel Castings	50,337	39,326	78,251	62,793
Alloy steel castings included in above (x)	12,078	7,063	15,820	8,957

(★) Includes amounts for sale and for own use. (x) Breakdown not available for full period.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During August, 1950 and 1951, and Eight Months Ended August, 1951

	August 1950	August 1951	Eight months ended August, 1951
	(Net tons of 2,000 pounds)		
Pig iron	143,449	149,719	1,218,595
Scrap - Own make	80,380	80,580	656,347
Purchased	81,641	81,168	715,394

Table 9 - Steel Furnace Capacity at End of August, 1951

	Annual Capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings ..	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1950 and 1951

Month	Pig iron	Ferro-alloys	S t e e l		Total steel
			Ingots	Castings	
	(Net tons of 2,000 pounds)				
<u>1950</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
November	208,301	16,920	279,754	9,734	289,488
December	198,169	15,341	281,474	9,768	291,242
Total	2,309,732	181,575	3,298,068	86,063	3,384,131
<u>1951</u>					
January	201,086	19,062	299,410	10,243	309,653
February	193,227	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
Total - Eight months	1,671,650	159,230	2,307,846	78,251	2,386,097

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 245,385 net tons in August, 1951 compared with 221,995 tons in August, 1950. The August shipments included 7,949 tons of semi-finished shapes, 13,321 tons of structurals, 13,807 tons of plates, 17,173 tons of rails, 9,617 tons of tie plates and track material, 39,265 tons of hot rolled bars, 21,655 tons of pipes and tubes, 25,787 tons of wire rods, 26,669 tons of black sheets, 10,039 tons of galvanized sheets, 8,680 tons of castings, and 45,368 tons of other rolled products. The amount of producers' interchange was 146,207 tons in August, 1951 as against 118,809 tons in August, 1950.

Of the amounts shipped for sale during August, 41,880 tons went direct to railways and railway car shops; 14,329 tons went to pressing, forming and stamping plants; 34,851 tons to merchant trade products; 27,094 tons to building construction; 26,732 tons to the containers industry; 9,527 tons to agricultural equipment; 16,109 tons to the automotive industry; 13,391 tons to machinery plants; 4,232 tons to shipbuilding; 14,422 tons to mining, lumbering, etc., and 7,819 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 24,544 tons, and exports for 10,457 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 146,207 tons in August, 1951.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, August, 1951

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	7,363	4,325	3,187
Other semi-finished shapes, not for re-rolling by makers	45,878	7,949	42,516
Structural shapes and piling	14,758	13,321	...
Plates	13,387	13,417	...
Rails	17,666	17,173	...
Tie plates and track material: Splice bars	2,830	3,550	...
Tie plates	5,168	5,180	...
Spikes	1,023	887	...
Concrete reinforcing bars	11,709	11,203	...
Hot rolled bars for cold finishing	246	...	217
Other hot rolled bars	38,115	31,112	9,205
Pipes and tubes	22,802	21,655	...
Wire rods	28,075	25,621	77
Hot rolled black sheets	67,167	13,414	55,195
Cold reduced black sheets	18,377	13,255	5,367
Galvanized sheets	9,888	10,039	...
Steel castings	7,398	7,315	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	64,166	32,951	29,855
Total - Carbon Steel	376,016	232,367	145,619
<u>Alloy Steel</u>			
Billets, etc., for forging	1,576	1,730	...
Other semi-finished shapes, not for re-rolling by makers	591	...	586
Structural shapes and piling .....	...	...	...
Plates	651	390	...
Hot rolled bars for cold finishing	2	...	2
Other hot rolled bars	5,802	8,153	...
Pipes and tubes .....	...	...	...
Wire rods	175	166	...
Steel castings	1,722	1,365	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	1,064	1,214	...
Total - Alloy Steel	11,583	13,018	588

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Eight Months Ended August, 1951

	P r o d u c t i o n		S h i p m e n t s	
	(Including producers' interchange)		For sale	Producers' interchange
(Tons of 2,000 pounds)				
<u>Carbon Steel</u>				
Billets, etc., for forging	72,054		37,815	37,796
Other semi-finished shapes, not for re-rolling by makers	339,211		10,340	331,103
Structural shapes and piling	138,985		124,988	8
Plates	127,987		128,778	...
Rails	176,930		177,503	...
Tie plates and track material - Splice bars ...	16,913		14,853	...
Tie plates	46,711		45,534	...
Spikes	10,762		10,929	...
Concrete reinforcing bars	95,641		94,957	...
Hot rolled bars for cold finishing	6,331		...	6,376
Other hot rolled bars	351,288		295,422	72,943
Pipes and tubes	166,824		177,172	4
Wire rods	213,879		209,971	423
Hot rolled black sheets	569,601		147,956	420,580
Cold reduced black sheets	150,318		109,003	38,977
Galvanized sheets	75,126		76,196	239
Steel castings	62,427		60,640	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	490,153		262,563	223,173
Total - Carbon Steel	3,111,141		1,984,620	1,131,622
<u>Alloy Steel</u>				
Billets, etc., for forging	12,448		12,111	924
Other semi-finished shapes, not for re-rolling by makers	3,369		...	3,371
Structural shapes and piling .....	...		...	...
Plates	1,901		1,690	...
Hot rolled bars for cold finishing	82		...	64
Other hot rolled bars	63,606		62,895	170
Pipes and tubes .....	...		...	...
Wire rods	754		767	...
Steel castings	16,413		15,170	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	8,099		7,769	...
Total - Alloy Steel	106,672		100,402	4,529

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, August and Year to Date, 1951

	A u g u s t		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	9,365	6,744	118,733	57,616
Agricultural, including farm machinery ..	9,162	365	94,120	2,425
Building construction	27,027	67	258,319	669
Containers industry	26,723	9	205,474	59
Machinery and tools	12,024	1,367	98,644	8,263
Merchant trade products	34,227	624	268,740	3,251
Mining, lumbering, etc.	13,480	942	81,186	7,993
National defence	4,522	449	21,304	3,807
Pressing, forming and stamping	14,000	329	121,923	1,888
Public works and utilities	1,629	8	17,713	315

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, August and Year to Date, 1951 (Concluded)

	A u g u s t		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Railway operating	27,927	347	287,768	2,071
Railway cars and locomotives	13,466	140	122,528	1,714
Shipbuilding	4,014	218	25,439	570
Miscellaneous and unclassified	971	240	12,504	2,139
Wholesalers and warehouses	24,205	337	221,096	2,029
Direct export (a) to British Empire	414	246	3,065	980
(b) to other countries	9,211	586	26,064	4,613
Total Shipped for Sale	232,367	13,018	1,984,620	100,402
Producers' interchange	145,619	588	1,131,622	4,529

Table 14 - Imports of Primary Forms of Iron and Steel, August and Year to Date, 1951

Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	...	...	...	1,620	...	...
	Germany	...	...	...	1,471	...	...
Foundry	Germany	...	...	...	10,079	...	...
Malleable	United States	55	...	...	341	...	...
Special	United States	...	...	...	313	...	...
Ingot	United States	16,147	...	...	49,374	114	...
Billets, blooms, slabs and sheet bars.	United States	47	44	...	375	446	...
	United Kingdom	...	...	...	...	10	...
	Germany	...	...	...	545	...	...
Tube rounds and tube billets	United States	751	...	...	3,490	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	4,358	175	33.1	25,152	2,831	180.3
	United Kingdom	552	68	2.5	7,245	633	53.7
	Belgium	4,058	...	...	17,155	...	...
	France	2,457	...	...	8,753	...	...
	Japan	...	...	...	860	...	...
	Germany	496	...	...	5,985	5	...
	Sweden	42	...	...	43	10	...
	Austria	...	...	...	465	...	...
Hot rolled -							
For agricultural implements	United States	712	1	...	9,494	2	...
	United Kingdom	1	...	...	267	...	...
Rounds over 4 ⁷ / ₈ " , squares over 4" .	United States	101	1	...	485	79	...
	United Kingdom	38	...	...	344	52	.5
Angles, channels, etc.	United States	486	...	.9	3,528	33	34.4
	Belgium	1,245	...	...	7,578	...	...
	United Kingdom	8	...	...	5,867	...	.6
	France	51	...	...	2,420	...	...
	Germany	590	...	...	889	...	...
Structurals (bar sizes) for agri- cultural implements	United States	204	...	...	4,049	...	2.2
	United Kingdom	...	...	...	830	...	...
	France	...	...	...	152	...	...
	Germany	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
Sash or casement sections	United States	188	...	...	2,401	...	...
	Belgium	...	...	...	289	...	...
	United Kingdom	...	...	...	69	...	...
Cold rolled, n.o.p.	United States	243	52	1.0	2,989	213	42.0
	United Kingdom	84	...	1.2	2,551	109	17.3
	Belgium	105
	Sweden	6	128	33	...
	Germany	119	225
	France	34	34

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, August and Year to Date, 1951 (Continued)

Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and Sections - (concluded)							
Cold rolled, for agricultural implements	United States	356	17	...	3,537	49	4.0
	United Kingdom	...	...	...	217	16	...
Tool steel	United States	16	181	...	136	823	...
	United Kingdom	10	82	...	570	733	...
	Sweden	...	...	...	...	6	...
Structurals	United States	14,325	3	...	113,861	4	1.3
	United Kingdom	3,460	...	...	18,942	2	...
	Belgium	7,705	...	...	41,962	...	...
	France	439	...	...	4,941	...	...
	Germany	111	...	...	802	...	...
Plates -							
78" and under in width	United States	5,071	2	47.6	26,000	134	269.0
	United Kingdom	1,388	...	.8	24,695	13	86.9
	France	544	...	...	7,462	...	...
	Germany	869	...	...	2,834	...	...
	Japan	142	...	...	635	...	...
	Belgium	665	...	...	8,645	...	...
Over 78" and under 100" in width ..	United States	2,986	...	17.2	13,467	33	50.6
	United Kingdom	2,524	...	3.6	20,739	...	3.6
	Belgium	...	...	...	327	...	...
	France	...	...	...	244	...	...
	Austria	...	...	...	27	...	...
	Germany	124	...	...	124	...	...
100" in width and over	United States	398	...	...	4,074	19	3.0
	United Kingdom	6	...	...	616	...	...
	Belgium	...	...	...	436	...	...
Flanged, dished or curved	United States	165	...	...	1,587	...	21.9
Boiler, pulp-mill digesters	United States	328	...	...	3,704	...	36.2
	United Kingdom	276	...	...	1,723	...	...
	Belgium	...	...	...	21	...	...
	France	...	...	...	27	...	...
Chequered or surface pattern	United States	569	...	...	3,548	...	...
	United Kingdom	...	...	...	889	...	...
Painted	United States	...	...	...	2	...	...
Sheets -							
Silicon .075 or more	United States	...	2,605	...	...	17,665	...
	United Kingdom	...	137	...	...	946	...
Galvanized	United States	1,227	...	...	7,136	...	...
	United Kingdom	204	...	...	3,250	...	...
	France	25	...	...	274	...	...
	Germany	...	...	...	63	...	...
	Belgium	...	...	...	243	...	...
Hot rolled -							
18 gauge and heavier	United States	8,683	28	472.3	53,571	204	613.6
	Germany	1,104	...	...	6,746	...	5.9
	Belgium	1,098	...	...	14,344	...	...
	United Kingdom	374	...	7.1	7,075	75	170.2
	France	419	...	...	6,510	...	...
	Sweden	...	...	...	155	...	...
	Japan	11	...	...	855	...	...
Lighter than 18 gauge	United States	407	7	3.7	4,505	90	121.3
	United Kingdom	32	...	2.1	1,404	3	22.4
	Belgium	...	...	...	2,504	...	...
	France	...	...	...	1,638	...	...
	Japan	...	...	...	572	...	...
	Germany	18	...	...	867	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, August and Year to Date, 1951 (Continued)

Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets - (Concluded)							
Hot rolled -							
For hollow ware (vitreous enamel) ..	United States	363	...	...	2,141	...	...
	United Kingdom	...	...	...	33	...	...
	Belgium	...	...	...	55	...	...
	France	...	...	...	1,068	...	...
	Germany	120	...	...	398	...	...
Corrugated	United States	471	...	...	2,994	...	...
	United Kingdom	...	...	...	152	...	...
Coated with paint, tar, asphaltum, etc.	United States	51	...	...	540	...	...
	Germany	...	...	...	28	...	...
For saws	United States	10	104	...	95	741	...
	United Kingdom	...	...	...	5	71	...
For cold rolled strip	United States	...	...	...	153	...	...
For tubes	United States	...	...	...	1,189	...	...
Cold rolled -							
18 gauge and heavier	United States	2,483	4	182.9	11,172	26	786.9
	United Kingdom	633	16	...	2,720	26	72.3
	Belgium	...	...	...	171	4	...
	Italy	...	...	...	827	...	...
	Germany	...	...	...	823	...	...
	France	49	...	...	304	...	...
Lighter than 18 gauge	United States	5,207	...	131.2	26,666	57	1,351.8
	United Kingdom	663	...	41.9	2,537	1	68.7
	Sweden	...	...	...	1	...	...
	France	...	...	...	297	...	...
	Belgium	551	...	...	2,475	...	...
	Germany	55	...	...	314	...	...
For hollow ware (vitreous enamel)	United States	779	...	...	8,567	...	...
	United Kingdom	399	...	...	2,116	...	...
	France	...	...	...	175	...	...
	Belgium	...	...	...	649	...	...
	Germany	...	...	...	474	...	...
Black plate - Tin mill	United States	34	...	...	666	...	...
	United Kingdom	...	...	...	69	...	...
Coated with paint, tar, asphaltum, etc.	United States	56	...	...	276	...	...
	United Kingdom	1	...	...	83	...	...
For heating apparatus	United States	16	...	...	425	...	...
For saws	United States	2	...	...	84	92	...
	Sweden	...	5	...	1	9	...
For tubes	United States	542	...	...	4,337	...	...
Tin plate - Primes	United States	6	...	...	130	...	...
	United Kingdom	59	...	...	491	...	...
Seconds	United Kingdom	...	...	...	20	...	...
Electrolytic 25#	United States	...	...	...	338	...	...
Terne plate - Long	United States	535	...	...	3,888	...	...
	United Kingdom	...	...	...	108	...	...
Short	United States	229	...	...	1,924	...	...
	United Kingdom	...	...	...	121	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,018	...	1.3	10,567	27	18.8
	Belgium	16	...	...	878	...	...
	United Kingdom	52	...	...	697	2	...
	France	...	...	...	125	...	...
	Germany	...	...	...	71	...	...
Lighter than 18 gauge	United States	38	...	1.1	838	...	42.5
	United Kingdom	...	...	...	75	...	...
	Belgium	...	...	...	346	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, August and Year to Date, 1951 (Continued)

Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip - (Concluded)							
Hot rolled -							
For cold rolling	United States	319	...	...	1,665	...	...
	United Kingdom	...	...	...	13	...	...
Painted	United States	20	...	...	1,730	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...	921	30	...
For saws	United States	8	4	...	237	335	...
	United Kingdom	...	...	...	3	7	...
For motor vehicles	United States	1,166	...	...	12,824	...	...
	Belgium	...	...	...	20	...	...
For hoops	United States	290	...	...	1,597	...	...
	United Kingdom	26	...	...	711	...	...
	Belgium	101	...	...	880	...	...
	Sweden	...	...	...	6	...	...
For tubes	United States	122	...	...	969	...	...
	Belgium	...	...	...	619	...	...
For tubular products	United States	...	...	...	71	...	...
Silicon .075 or more	United States	...	...	...	...	1,805	...
Cold rolled -							
18 gauge and heavier	United States	310	...	50.4	3,335	97	299.1
	United Kingdom	100	...	...	283	1	1.3
	Sweden	...	...	...	21	...	6.6
	Germany	...	...	...	6	...	...
	Belgium	...	...	...	98	...	...
Lighter than 18 gauge	United States	484	122	98.5	4,389	145	1,237.9
	Sweden	44	2	...	447	72	...
	United Kingdom	3	...	...	276	6	...
	France	...	...	...	107	...	...
	Belgium	...	...	...	25	4	...
	Germany	46	...	...	168	...	...
Painted	United States	187	...	...	3,850	...	...
	Germany	13	...	...	46	...	...
	United Kingdom	...	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	2	...	...	462	...	...
	United Kingdom	...	...	...	117	...	...
For saws	United States	6	22	...	88	182	...
	Sweden	...	1	...	...	80	...
	United Kingdom	...	...	...	2	...	...
For tubes	United States	289	...	...	2,421	...	...
	France	...	...	...	271	...	...
	Germany	...	...	...	48	...	...
	Belgium	...	...	...	329	...	...
For tubular products	United States	319	...	...	1,189	...	.6
For butt hinges	United States	195	...	...	1,036	...	...
	United Kingdom	26	...	...	26	...	...
Silicon .075 or more	United States	...	...	...	...	50	...
For hoops	United States	50	...	...	50	...	...
Galvanized strip	United States	182	...	...	3,903	...	...
	United Kingdom	1	...	...	447	...	...
	Germany	...	...	...	104	...	...
Skelp-							
15 $\frac{3}{8}$ " in width	United States	7,502	...	...	72,100	...	...
	France	...	...	...	2,356	...	...
	Belgium	841	...	...	8,453	...	...
	United Kingdom	2,132	...	...	9,152	...	...
Over 15 $\frac{3}{8}$ " in width	United States	...	...	...	1,018	...	...
	Germany	...	...	...	411	...	...
Plate	United States	240	...	...	1,078	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, August and Year to Date, 1951 (Continued)

Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes -							
Cast	United States	3	...	...	745	...	...
	United Kingdom	2,450	...	...	9,834	...	...
	Germany	...	...	...	2,845	...	...
	Sweden	231	...	...	231	...	...
Bedstead	United States	2	...	...	286	...	.2
	France	...	...	...	22	...	...
	United Kingdom	...	...	...	42	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	426	...	...	2,483	79	...
	United Kingdom	175	...	...	1,877	...	...
	Sweden	...	...	...	86	...	...
Cold drawn	United States	21	...	...	652	93	21.3
	United Kingdom	88	...	...	985	2	38.0
	Sweden	...	...	...	20	46	1.7
Welded	United States	19	73	2.6	670	73	2.9
	United Kingdom	...	...	.6	...	...	.6
Seamless, 12" and under in diameter -							
Cold drawn	United States	754	81	31.0	4,251	650	116.9
	Sweden	...	...	...	584	...	...
	United Kingdom	228	37	13.9	1,618	78	106.6
Hot finished	United States	685	6	.2	4,419	1,252	2.9
	United Kingdom	825	...	...	4,188	2	...
	Czechoslovakia	...	...	...	1	...	...
	Germany	...	...	...	12	...	...
	France	...	...	...	325	...	...
	Sweden	...	27	...	...	27	...
Seamless, over 12" in diameter -							
Hot finished	United States	361	...	...	1,941	5	...
	United Kingdom	1,633	...	...	5,777	...	...
Welded, 4" and under in diameter ...	United States	540	...	...	5,366	28	29.5
	United Kingdom	1,172	...	...	5,425	...	1.6
	Belgium	...	...	...	718	...	...
	Czechoslovakia	...	...	...	43	...	...
	Holland	...	...	...	1,143	...	...
	Germany	...	...	...	8	...	...
	France	130	...	...	130	...	...
Welded, over 4" in diameter	United States	273	...	...	1,870	...	...
	United Kingdom	461	...	...	850	...	...
	Germany	...	...	...	80	...	...
	Belgium	...	...	...	27	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	34	...	...	268	...	...
Spiral welded	United States	283	...	...	1,310	...	...
Casings	United States	4,779	...	...	43,276	...	...
	United Kingdom	529	...	...	6,552	...	...
	Germany	140	...	...	2,191	...	...
	Netherlands	...	...	...	35	...	...
	Belgium	911	...	...	2,071	...	...
	France	292	...	...	514	...	...
Fittings and couplings	United States	513	...	5.5	3,153	...	30.3
	United Kingdom	15	...	...	448	...	...
	Germany	...	...	...	52	...	...
Wire rope	United States	24	...	33.2	514	...	36.5
	United Kingdom	79	...	...	857	...	...
	Belgium	...	...	...	1	...	...
	Germany	...	...	...	216	...	...
	Holland	...	...	...	8	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, August and Year to Date, 1951 (Continued)

Commodity	Country of origin	A u g u s t			Year to date			
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less	
		(Tons of 2,000 pounds)						
Wire for rope	United States	779	...	...	4,713	...	.3
	United Kingdom	548	...	...	5,954	...	...
	Norway	...	...	...	30	...	...
	Belgium	21	...	...	21	...	...
Wire - For fencing, galvanized	United States	...	...	...	32	...	...
	For corset laces, steels, etc. .	United States	4	116
	United Kingdom	...	...	...	31	...	...
	For spring mattresses, etc.	United States	697	3,335
	United Kingdom	7	...	...	120	...	...
	Czechoslovakia	...	...	...	100	...	...
	Belgium	...	...	...	36	...	...
	Germany	5	...	...	43	...	...
Wire cloth and netting	United States	129	...	...	1,127	...	.3
	United Kingdom	...	...	...	355	...	...
	Germany,	36	...	...	36	...	.3
Wire, coated	United States	111	...	...	1,709	...	...
	United Kingdom	4	...	...	110	...	...
	France	...	...	...	106	...	...
	Germany	...	...	...	2	...	...
Wire, all other	United States	625	2	3.9	5,759	170	55.4	
	United Kingdom	70	...	.3	259	4	16.5
	Germany	189	...	...	447	3	...
	France	...	...	...	92	...	...
	Sweden	32	...	...	46	3	.2
	Belgium	36	...	...	274	...	...
	Wire rods, not over $\frac{3}{8}$ " in diameter	United States	597	868
		France	1,784
Belgium		27	...	...	1,319	...	...
Germany		436	...	...	1,324	...	...
United Kingdom		...	...	...	113	...	...
Sweden		90	...	...	223	...	...
Welding wire and welding rods	United States	27	40	5.1	681	134	106.1	
	United Kingdom	...	...	...	...	1	36.5
Castings -								
For agricultural implements	United States	431	...	...	1,894	...	...
	United Kingdom	...	...	...	15	...	...
For ingot moulds	United States	1,878	...	...	15,549	...	...
	United Kingdom	...	...	...	87	...	...
Malleable	United States	23	...	...	431	...	...
Non-malleable	United States	103	...	...	950	...	...
	United Kingdom	...	...	...	1	...	...
Steel	United States	100	...	...	559	179	...
	Norway	...	...	...	20	...	...
	United Kingdom	6	...	...	28	...	...
For railway vehicles	United States	21	...	...	175	...	...
	France	696	...	...	696	...	...
Rolls	United States	151	76	...	1,750	423	...	
	United Kingdom	...	...	...	10	22	...
Piston rings (rough)	United States	32	...	...	379	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, August and Year to Date, 1951 (Concluded)

Table 14 - Imports of Primary Forms of Iron and Steel, August and Year to Date, 1931 (Continued)								
Commodity	Country of origin	A u g u s t			Year to date			
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less	
(Tons of 2,000 pounds)								
Forgings	United States	273	53	...	1,420	624	6.6	
	United Kingdom	234	52	...	949	386	...	
	Germany	...	...	...	22	...	...
Wheels - For railway rolling stock	United States	584	...	...	706	...	...
	United Kingdom	1,271	...	...	5,240	...	...
Tires - For railway rolling stock	United States	9	...	...	154	...	...
	United Kingdom	731	...	...	6,191	19	...
Rails - 60 lb. and under	United States	181	...	...	403	...	...
	Belgium	49	...	...	866	...	...
	France	...	...	...	67	...	...
	Over 60 lb. and including 100 lb.	United States	748	1,308
Over 100 lb.	United Kingdom	...	...	...	2,305	...	...
	United States	6	...	...	91	...	...
Axles - For railway vehicles	United Kingdom	91	...	...	91	...	...
	United States	...	...	...	75	...	...
Track material -	United Kingdom	81	...	...	81	...	...
	Angles, bars, tie plates, rail joints.	United States	18	1,067
	Belgium	14	...	...	387	...	...
	France	...	...	...	2	...	...
	United Kingdom	...	...	...	691	...	...
Intersections, switches, frogs	United States	22	...	...	184	...	...
	Germany	...	...	...	1	...	...
Total Imports	United States	97,620	3,703	1,122.7	647,301	30,036	5,527.2	
	All other	51,293	427	74.0	382,277	3,522	712.0	
TOTAL		148,913	4,130	1,196.7	1,029,578	33,558	6,239.2	

Table 15 - Exports of Primary Iron and Steel, August and Year to Date, 1951

	August	Year to date
(Tons of 2,000 pounds)		
Pig iron	22,640	112,433
Ingots, blooms and billets	4,470	15,434
Bars	668	7,549
Rods	2	328
Plates, sheets and strips	1,673	20,700
Rails .....	...	...
Structural shapes	331	1,619
Pipe and tubing - Wrought iron .	54	3,421
Cast iron	34	673
Galvanized ...	16	1,412
Other	263	1,255
Castings, iron and steel	979	13,451
Forgings	779	1,892
Total	31,909	180,167



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PRIMARY IRON AND STEEL

SEPTEMBER - 1951

Pig Iron - Production of pig iron in Canada amounted to 212,485 tons in September compared with 199,415 tons in the corresponding month of last year. The total for the current month included 165,419 tons of basic iron, 18,333 tons of foundry iron and 28,733 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in September amounted to 22,977 tons compared with 25,327 tons in the previous month and with 17,765 tons in September of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during September totalled 268,230 tons compared with 274,947 tons in September of last year. Output in the month under review included 257,880 tons of ingots and 10,350 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During September, 1950 and 1951

	September, 1950		September, 1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	144,834	3,593	165,419	16,171
Foundry	35,980	35,738	18,333	19,600
Malleable	18,601	18,601	28,733	25,079
Total Pig Iron	199,415	57,932	212,485	60,850
<u>Ferro-alloys</u>	17,765	(#)	22,977	(#)

(★) Includes amounts for sale and for own use. (#) Not recorded.

Table 2 - Cumulative Production and Sales for the Nine Months Ended September 1950 and 1951

	1 9 5 0		1 9 5 1	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	1,315,012	50,037	1,465,423	109,875
Foundry	170,441	167,951	226,162	223,533
Malleable	211,998	210,960	192,550	192,782
Total Pig Iron	1,697,451	428,948	1,884,135	526,190
<u>Ferro-alloys</u>	132,355	(#)	182,207	(#)

(#) Not recorded.

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During September, 1950 and 1951 and Nine Months Ended September, 1951

	September 1 9 5 0	September 1 9 5 1	Nine months ended September, 1951 (★)
	(Net tons of 2,000 pounds)		
Iron ore	355,119	368,701	3,252,397
Mill cinder, scale, sinter, etc. .	38,685	44,149	388,839
Limestone	75,849	78,461	695,416
Dolomite	12,045	14,470	119,524
Coke	183,758	198,844	1,742,805
Scrap iron and steel	8,072	5,968	55,939

(★) Cumulative totals have been revised.

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Table 4 - Iron Blast Furnaces

Name of Company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd. ..	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		15	3,025,000

Table 5 - Description of Iron Blast Furnaces at End of September, 1951

Condition of furnaces	Number of furnaces	Total annual capacity Net tons	Per cent
In blast	13	2,754,900	91.0
Banked	1	135,050	4.5
Blown out	1	135,050	4.5
Total	15	3,025,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During September, 1950 and 1951

	September, 1950		September, 1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	218,575	14,822	218,755	12,178
Electric	48,422	5,839	39,125	4,512
Total Steel Ingots	266,997	20,661	257,880	16,690
Alloy steel ingots included in above	15,616	...	15,451	...
<u>Steel Castings</u>				
Open hearth - basic	2,045	1,898	3,191	2,959
Converter	28	27	21	12
Electric	5,877	4,793	7,138	5,593
Total Steel Castings	7,950	6,718	10,350	8,564
Alloy steel castings included in above:-				
(a) High alloy, except manganese and abrasion resistant			362	337
(b) High alloy, manganese and abrasion resistant)	1,608	1,001	1,109	1,050
(c) All other alloys			491	112

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Nine Months Ended September, 1950 and 1951

	1950		1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	1,058,531	117,780	2,171,077	100,121
Electric	392,655	59,085	394,649	43,023
Total Steel Ingots	2,451,186	176,865	2,565,726	143,144
Alloy steel ingots included in above	141,612	...	157,514	5,364
<u>Steel castings</u>				
Open hearth - basic	14,594	13,105	22,172	19,887
Converter	152	144	152	98
Electric	43,541	32,795	66,277	51,372
Total Steel Castings	58,287	46,044	88,601	71,357
Alloy steel castings included in above (x)	13,686	8,064	17,782	10,456

(★) Includes amounts for sale and for own use. (x) Breakdown not available for full period.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During September, 1950 and 1951, and Nine Months Ended September, 1951

	September 1 9 5 0	September 1 9 5 1	Nine months ended September, 1951
	(Net tons of 2,000 pounds)		
Pig iron	137,164	139,798	1,358,393
Scrap - Own make	79,346	79,345	735,692
Purchased	82,273	83,525	798,919

Table 9 - Steel Furnace Capacity at End of September, 1951

	Annual Capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1950 and 1951

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
<u>1 9 5 0</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
November	208,301	16,920	279,754	9,734	289,488
December	198,169	15,341	281,474	9,768	291,242
Total	2,309,732	181,575	3,298,068	86,063	3,384,131
<u>1 9 5 1</u>					
January	201,086	19,062	299,410	10,243	309,653
February	193,227	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
Total - Nine months	1,884,135	182,207	2,565,726	88,601	2,654,327

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 235,953 net tons in September, 1951 compared with 254,682 tons in September, 1950. The September shipments included 8,873 tons of semi-finished shapes, 12,041 tons of structurals, 13,317 tons of plates, 17,523 tons of rails, 9,149 tons of tie plates and track material, 39,456 tons of hot rolled bars, 18,456 tons of pipes and tubes, 23,629 tons of wire rods, 22,381 tons of black sheets, 9,259 tons of galvanized sheets, 10,067 tons of castings, and 46,222 tons of other rolled products. The amount of producers' interchange was 138,221 tons in September, 1951 as against 123,643 tons in September, 1950.

Of the amounts shipped for sale during September, 41,736 tons went direct to railways and railway car shops; 11,562 tons went to pressing, forming and stamping plants; 33,045 tons to merchant trade products; 28,825 tons to building construction; 24,153 tons to the containers industry; 9,215 tons to agricultural equipment; 17,491 tons to the automotive industry; 13,044 tons to machinery plants; 3,789 tons to shipbuilding; 10,732 tons to mining, lumbering, etc., and 10,538 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 21,417 tons, and exports for 10,406 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 138,221 tons in September, 1951.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, September, 1951

	Production (including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	7,363	4,703	1,874
Other semi-finished shapes, not for re-rolling by makers	45,874	8,873	48,051
Structural shapes and piling	13,944	12,041	...
Plates	12,712	13,057	...
Rails	16,734	17,523	...
Tie plates and track material: Splice bars	1,548	2,482	...
Tie plates	4,254	5,276	...
Spikes	1,233	1,391	...
Concrete reinforcing bars	14,093	13,279	...
Hot rolled bars for cold finishing	172	...	183
Other hot rolled bars	41,891	32,375	7,039
Pipes and tubes	20,787	18,456	...
Wire rods	23,631	23,612	73
Hot rolled black sheets	60,066	10,076	46,351
Cold reduced black sheets	17,842	12,305	4,785
Galvanized sheets	8,795	9,259	...
Steel castings	8,388	8,219	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	63,032	32,111	29,716
Total - Carbon Steel	362,359	225,038	138,072
<u>Alloy Steel</u>			
Billets, etc., for forging	915	877	...
Other semi-finished shapes, not for re-rolling by makers	226	...	149
Structural shapes and piling .....	...	...	...
Plates	132	260	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	8,345	7,081	...
Pipes and tubes .....	...	...	...
Wire rods	12	17	...
Steel castings	2,024	1,848	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	869	832	...
Total - Alloy Steel	12,523	10,915	149

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Primary Iron and Steel

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Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Nine Months Ended
September, 1951

	Production (including producers' interchange)	Shipments For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	79,417	42,518	39,670
Other semi-finished shapes, not for re-rolling by makers	385,085	19,213	379,154
Structural shapes and piling	152,929	137,029	8
Plates	140,699	141,835	...
Rails	193,664	195,026	...
Tie plates and track material - Splice bars ..	18,461	17,335	...
Tie plates ...	50,965	50,810	...
Spikes	11,995	12,320	...
Concrete reinforcing bars	109,734	108,236	...
Hot rolled bars for cold finishing	6,503	...	6,559
Other hot rolled bars	393,179	327,797	79,982
Pipes and tubes	187,611	195,628	4
Wire rods	237,510	233,583	496
Hot rolled black sheets	629,667	158,032	466,931
Cold reduced black sheets	168,160	121,308	43,762
Galvanized sheets	83,921	85,455	239
Steel castings	70,815	68,859	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	553,085	294,674	252,889
Total - Carbon Steel	3,473,500	2,209,658	1,269,694
<u>Alloy Steel</u>			
Billets, etc., for forging	13,363	12,988	924
Other semi-finished shapes, not for re-rolling by makers	3,595	...	3,520
Structural shapes and piling .....	...	...	...
Plates	2,033	1,950	...
Hot rolled bars for cold finishing	82	...	64
Other hot rolled bars	71,951	69,976	170
Pipes and tubes .....	...	...	...
Wire rods	766	784	...
Steel castings	18,437	17,018	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	8,968	8,601	...
Total - Alloy Steel	119,195	111,317	4,678

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, September and Year to Date, 1951

	S e p t e m b e r		Y e a r t o d a t e	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
			(Tons of 2,000 pounds)	
Automotive industries	12,845	4,646	131,578	62,262
Agricultural, including farm machinery ...	8,753	462	102,873	2,887
Building construction	28,769	56	287,088	725
Containers industry	24,149	4	229,623	63
Machinery and tools	11,951	1,093	110,595	9,356
Merchant trade products	32,581	464	301,321	3,715
Mining, lumbering, etc.	9,492	1,240	90,678	9,233

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Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided according to Principal Consuming Industries, September and Year to Date, 1951 (concluded)

	S e p t e m b e r		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
National Defence	5,586	733	26,890	4,540
Pressing, forming and stamping	11,375	187	133,298	2,075
Public works and utilities	3,128	42	20,841	357
Railway operating	27,824	292	315,592	2,363
Railway cars and locomotives	13,402	218	135,930	1,932
Shipbuilding	3,649	140	29,088	710
Miscellaneous and unclassified	829	220	13,333	2,359
Wholesalers and warehouses	21,288	129	242,384	2,158
Direct export (a) to British Empire	735	370	3,800	1,350
(b) to other countries	8,682	619	34,746	5,232
Total Shipped for Sale	225,038	10,915	2,209,658	111,317
Producers' interchange	138,072	149	1,269,694	4,678

Table 14 - Imports of Primary Forms of Iron and Steel, September and Year to Date, 1951

Table 14 - Imports of Primary Forms of Iron and Steel, September and Year to Date, 1931							
Commodity	Country of origin	S e p t e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	...	...	...	1,620	...	...
	Germany	...	...	...	1,471	...	...
Foundry	Germany	...	...	...	10,079	...	...
Malleable	United States	...	...	...	341	...	...
Special	United States	172	...	...	485	...	...
Ingots	United States	5,705	...	...	55,079	114	...
Billets, blooms, slabs and sheet bars.	United States	166	90	...	541	536	...
	United Kingdom	...	...	...	...	10	...
	Germany	...	...	...	545	...	...
Tube rounds and tube billets	United States	487	...	...	3,977	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	4,956	...	10.5	30,108	2,831	190.8
	United Kingdom	1,024	...	...	8,269	633	53.7
	Belgium	7,082	...	...	24,237	...	...
	France	3,617	...	...	12,370	...	...
	Japan	...	...	...	860	...	...
	Germany	666	...	...	6,651	5	...
	Sweden	...	...	...	43	10	...
	Austria	...	...	...	465	...	...
Hot rolled -							
For agricultural implements	United States	889	608	...	10,383	610	...
	United Kingdom	1	...	...	268	...	...
Rounds over 4 ⁷ / ₈ " , squares over 4"	United States	69	11	...	554	90	...
	United Kingdom	7	...	...	351	52	.5
Angles, channels, etc.	United States	1,128	95	...	4,656	128	34.4
	Belgium	1,705	...	...	9,283	...	...
	United Kingdom	382	...	...	6,249	...	.6
	France	84	...	...	2,504	...	...
	Germany	...	...	...	889	...	...
Structurals (bar sizes) for agri- cultural implements	United States	384	...	...	4,433	...	2.2
	United Kingdom	...	...	...	830	...	...
	France	...	...	...	152	...	...
	Germany	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, September and Year to Date, 1951 (Continued)

Commodity	Country of origin	S e p t e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (concluded)							
Hot rolled -							
Sash or casement sections	United States	445	...	...	2,846	...	...
	Belgium	83	...	...	372	...	...
	United Kingdom	...	...	...	69	...	...
	Germany	27	...	...	27	...	...
Cold rolled, n.o.p.	United States	461	6	.3	3,450	219	42.3
	United Kingdom	255	1	...	2,806	110	17.3
	Belgium	201	...	...	306	...	...
	Sweden	...	...	...	128	33	...
	Germany	222	...	...	447	...	...
	France	230	...	...	264	...	...
Cold rolled, for agricultural							
implements	United States	281	...	...	3,818	49	4.0
	United Kingdom	51	...	...	268	16	...
Tool steel	United States	97	157	...	233	980	...
	United Kingdom	12	133	...	582	866	...
	Sweden	...	...	...	...	6	...
Structurals	United States	17,493	...	...	131,354	4	1.3
	United Kingdom	2,761	...	...	21,703	2	...
	Belgium	6,808	...	...	48,770	...	...
	France	2,241	...	...	7,182	...	...
	Germany	...	...	...	802	...	...
Plates -							
78" and under in width	United States	7,974	14	278.6	33,974	148	547.6
	United Kingdom	3,054	...	...	27,749	13	86.9
	France	776	...	...	8,238	...	...
	Germany	2,126	...	...	4,960	...	...
	Japan	...	...	...	635	...	...
	Belgium	1,245	...	...	9,890	...	...
Over 78" and under 100" in width ..	United States	1,987	1	.5	15,454	34	51.1
	United Kingdom	1,721	...	...	22,460	...	3.6
	Belgium	...	...	...	327	...	...
	France	...	...	...	244	...	...
	Austria	...	...	...	27	...	...
	Germany	144	...	...	268	...	...
100" in width and over	United States	385	...	1.5	4,459	19	4.5
	United Kingdom	...	...	...	616	...	...
	Belgium	...	...	...	436	...	...
Flanged, dished or curved	United States	163	...	4.2	1,750	...	26.1
	United Kingdom	740	...	...	740	...	...
Boiler, pulp-mill digesters	United States	268	...	...	3,972	...	36.2
	United Kingdom	106	...	...	1,829	...	...
	Belgium	...	...	...	21	...	...
	France	...	...	...	27	...	...
Chequered or surface pattern	United States	593	...	...	4,141	...	...
	United Kingdom	...	...	...	889	...	...
Painted	United States	...	...	...	2	...	...
Sheets -							
Silicon .075 or more	United States	...	1,917	...	...	19,582	...
	United Kingdom	...	218	...	...	1,164	...
Galvanized	United States	1,319	...	...	8,455	...	...
	United Kingdom	299	3,549
	France	10	284
	Germany	63
	Belgium	27	270

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, September and Year to Date, 1951 (Continued)

Commodity	Country of origin	S e p t e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (Concluded)							
Hot rolled -							
18 gauge and heavier	United States	8,767	68	29.1	62,338	272	642.7
	Germany	1,232	...	...	7,978	...	5.9
	Belgium	122	...	...	14,466	...	...
	United Kingdom	423	...	8.1	7,498	75	178.3
	France	226	...	...	6,736	...	...
	Sweden	...	...	...	155	...	...
	Japan	...	...	...	855	...	...
Lighter than 18 gauge	United States	374	1	20.8	4,879	91	142.1
	United Kingdom	22	...	...	1,426	3	22.4
	Belgium	...	...	...	2,504	...	...
	France	...	...	...	1,638	...	...
	Japan	...	...	...	572	...	...
	Germany	38	...	...	905	...	...
For hollow ware (vitreous enamel)	United States	267	...	...	2,408	...	...
	United Kingdom	...	...	...	33	...	...
	Belgium	...	...	...	55	...	...
	France	90	...	...	1,158	...	...
	Germany	28	...	...	426	...	...
Corrugated	United States	370	...	...	3,364	...	...
	United Kingdom	90	...	...	242	...	...
Coated with paint, tar, asphaltum, etc.	United States	177	...	...	717	...	...
	Germany	...	...	...	28	...	...
For saws	United States	65	106	...	160	847	...
	United Kingdom	...	...	...	5	71	...
For cold rolled strip	United States	...	...	...	153	...	...
For tubes	United States	131	...	...	1,320	...	...
Cold rolled -							
18 gauge and heavier	United States	2,868	...	119.8	14,040	26	906.7
	United Kingdom	503	...	...	3,223	26	72.3
	Belgium	20	...	...	191	4	...
	Italy	...	...	...	827	...	...
	Germany	...	...	...	823	...	...
	France	...	...	...	304	...	...
Lighter than 18 gauge	United States	3,501	4	187.5	30,167	61	1,539.3
	United Kingdom	382	...	11.9	2,919	1	80.6
	Sweden	...	...	...	1	...	...
	France	...	...	...	297	...	...
	Belgium	...	...	...	2,475	...	...
	Germany	15	...	...	329	...	...
For hollow ware (vitreous enamel)	United States	489	...	...	9,056	...	...
	United Kingdom	...	...	...	2,116	...	...
	France	...	...	...	175	...	...
	Belgium	...	...	...	649	...	...
	Germany	...	...	...	474	...	...
Black plate - Tin mill	United States	5	...	...	671	...	...
	United Kingdom	7	...	...	76	...	...
Coated with paint, tar, asphaltum, etc.,	United States	32	...	...	308	...	...
	United Kingdom	...	...	...	83	...	...
	Sweden	25	...	...	25	...	...
For heating apparatus	United States	181	...	...	606	...	...
For saws	United States	2	8	...	86	100	...
	Sweden	...	...	...	1	9	...
For tubes	United States	808	...	...	5,145	...	...
Tin plate - Primes	United States	14	...	...	144	...	...
	United Kingdom	...	...	...	491	...	...
Seconds	United Kingdom	...	...	...	20	...	...
Electrolytic 25#	United States	...	...	...	338	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, September and Year to Date, 1951 (Continued)

Commodity	Country of origin	S e p t e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Terne plate - Long	United States	353	...	...	4,241	...	...
	United Kingdom	...	...	...	108	...	...
	Short	United States	275	...	2,199	...	...
	United Kingdom	...	...	...	121	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,069	6	5.9	11,636	33	24.7
	Belgium	...	...	...	878	...	...
	United Kingdom	...	...	...	697	2	...
	France	100	...	...	225	...	...
	Germany	76	...	...	147	...	...
Lighter than 18 gauge	United States	35	...	4.4	873	...	46.9
	United Kingdom	...	...	...	75	...	...
	Belgium	...	...	...	346	...	...
For cold rolling	United States	181	...	...	1,846	...	...
	United Kingdom	...	...	...	13	...	...
Painted	United States	283	...	...	2,013	...	...
For shoe and corset laces, buckles, ball bearings, etc.							
For saws	United States	26	...	...	947	30	...
	United States	...	7	...	237	342	...
	United Kingdom	...	...	...	3	7	...
For motor vehicles	Sweden	18	...	...	18	...	...
	United States	1,255	...	...	14,079	...	...
	Belgium	...	...	...	20	...	...
For hoops	United States	391	...	...	1,988	...	...
	United Kingdom	...	...	...	711	...	...
	Belgium	...	...	...	880	...	...
	Sweden	...	...	...	6	...	...
For tubes	United States	336	...	...	1,305	...	...
	Belgium	...	...	...	619	...	...
For tubular products	United States	...	...	...	71	...	...
Silicon .075 or more	United States	...	...	...	...	1,805	...
Cold rolled -							
18 gauge and heavier	United States	694	1	47.6	4,029	98	346.7
	United Kingdom	114	...	...	397	1	1.3
	Sweden	...	...	...	21	...	6.6
	Germany	...	...	...	6	...	...
	Belgium	...	...	...	98	...	...
Lighter than 18 gauge	United States	360	2	45.2	4,749	147	1,283.1
	Sweden	20	...	...	467	72	...
	United Kingdom	...	...	...	276	6	...
	France	...	...	...	107	...	...
	Belgium	...	...	...	25	4	...
	Germany	...	...	...	168	...	...
Painted	United States	258	...	...	4,108	...	...
	Germany	...	...	...	46	...	...
	United Kingdom	...	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc.							
For saws	United States	8	...	...	470	...	...
	United Kingdom	...	...	...	117	...	...
	United States	9	7	...	97	189	...
For tubes	United Kingdom	...	...	...	2	...	...
	Sweden	...	3	...	...	83	...
	United States	274	...	...	2,695	...	...
For shoe and corset laces, buckles, ball bearings, etc.	France	...	...	...	271	...	...
	Germany	...	...	...	48	...	...
	Belgium	...	...	...	329	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, September and Year to Date, 1951 (Continued)

Commodity	Country of origin	S e p t e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip -(concluded)							
Cold rolled -							
For tubular products	United States	654	...	...	1,843	...	.6
For butt hinges	United States	187	...	...	1,223	...	...
	United Kingdom	...	...	...	26	...	...
Silicon .075 or more	United States	...	...	...	...	50	...
For hoops	United States	...	...	...	50	...	...
	United Kingdom	7	...	...	7	...	...
Galvanized strip	United States	197	...	...	4,100	...	...
	United Kingdom	...	...	...	447	...	...
	Germany	6	...	...	110	...	...
Skelp-							
15 $\frac{3}{8}$ " in width	United States	6,576	...	...	78,676	...	...
	France	...	...	...	2,356	...	...
	Belgium	1,703	...	...	10,156	...	...
	United Kingdom	1,433	...	...	10,585	...	...
Over 15 $\frac{3}{8}$ " in width	United States	...	...	...	1,018	...	...
	Germany	...	...	...	411	...	...
Plate, for pipe	United States	402	...	...	1,480	...	...
Pipes and tubes -							
Cast	United States	24	...	...	769	...	...
	United Kingdom	2,320	...	...	12,154	...	...
	Germany	...	...	...	2,845	...	...
	Sweden	...	...	...	231	...	...
Bedstead	United States	25	...	...	311	...	.2
	France	...	...	...	22	...	...
	United Kingdom	...	...	...	42	...	...
Repair of pressure parts of boilers - Hot finished ...	United States	291	...	...	2,774	79	...
	United Kingdom	99	...	...	1,976	...	...
	Sweden	...	...	...	86	...	...
	France	267	...	...	267	...	...
Cold drawn	United States	60	1	...	712	94	21.3
	United Kingdom	79	...	...	1,064	2	38.0
	Sweden	...	...	...	20	46	1.7
Welded	United States	45	...	...	715	73	2.9
	United Kingdom	...	...	...	...	...	.6
Seamless, 12" and under in diameter -Cold drawn	United States	296	40	6.9	4,547	690	123.8
	Sweden	...	...	...	584	...	...
	United Kingdom	138	1	16.1	1,756	79	122.7
Hot finished ...	United States	555	25	...	4,974	1,277	2.9
	United Kingdom	278	...	...	4,466	2	...
	Czechoslovakia	...	...	...	1	...	...
	Germany	...	...	...	12	...	...
	France	...	...	...	325	...	...
	Sweden	...	...	...	...	27	...
Seamless, over 12" in diameter - Hot finished ..	United States	311	...	...	2,252	5	...
	United Kingdom	1,794	...	...	7,571	...	...
Welded, 4" and under in diameter	United States	534	74	2.7	5,900	102	32.2
	United Kingdom	241	...	...	5,666	...	1.6
	Belgium	...	...	...	718	...	...
	Czechoslovakia	...	...	...	43	...	...
	Holland	...	...	...	1,143	...	...
	Germany	...	...	...	8	...	...
	France	...	...	...	130	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, September and Year to Date, 1951 (Continued)

Commodity	Country of origin	S e p t e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes -							
Welded, over 4" in diameter.	United States	448	...	...	2,318	...	.6
	United Kingdom	321	...	...	1,171	...	...
	Germany	...	...	...	80	...	...
	Belgium	...	...	...	27	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	22	...	...	290	...	...
Spiral welded	United States	337	...	...	1,647	...	...
Casings	United States	3,873	...	...	47,149	...	...
	United Kingdom	127	...	...	6,679	...	...
	Germany	...	...	...	2,191	...	...
	Netherlands	...	...	...	35	...	...
	Belgium	...	...	...	2,071	...	...
	France	...	...	...	514	...	...
Fittings and couplings ...	United States	505	...	4.2	3,658	...	34.5
	United Kingdom	18	...	...	466	...	...
	Germany	6	...	...	58	...	...
Wire rope	United States	58	...	...	572	...	36.5
	United Kingdom	182	...	...	1,039	...	...
	Belgium	...	...	...	1	...	...
	Germany	1	...	...	217	...	...
	Holland	...	...	...	8	...	...
Wire for rope	United States	1,399	...	...	6,112	...	.3
	United Kingdom	292	...	...	6,246	...	...
	Norway	...	...	...	30	...	...
	Belgium	21	...	...	42	...	...
Wire - For fencing,galvanized.	United States	...	...	...	32	...	...
For corset laces, steels, etc.	United States	7	...	...	123	...	...
	United Kingdom	...	...	...	31	...	...
For spring mattresses, etc.	United States	298	...	...	3,633	...	...
	United Kingdom	...	...	...	120	...	...
	Czechoslovakia	...	...	...	100	...	...
	Belgium	...	...	...	36	...	...
	Germany	...	...	...	43	...	...
Wire cloth and netting	United States	50	...	...	1,177	...	.3
	United Kingdom	17	...	...	372	...	...
	Germany	...	...	...	36	...	.3
Wire, coated	United States	80	...	...	1,789	...	...
	United Kingdom	33	...	...	143	...	...
	France	...	...	...	106	...	...
	Germany	...	...	...	2	...	...
Wire, all other	United States	498	...	.9	6,257	170	56.3
	United Kingdom	29	...	1.1	288	4	17.6
	Germany	...	...	...	447	3	...
	France	...	...	...	92	...	...
	Sweden	...	...	...	46	3	.2
	Belgium	...	...	...	274	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	23	...	...	891	...	...
	France	...	...	...	1,784	...	...
	Belgium	25	...	...	1,344	...	...
	Germany	...	...	...	1,324	...	...
	United Kingdom	...	...	...	113	...	...
	Sweden	...	...	...	223	...	...
Welding wire and welding rods	United States	66	22	14.5	747	156	120.6
	United Kingdom	1	36.5

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, September and Year to Date, 1951 (Concluded)

Commodity	Country of origin	S e p t e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Castings -							
For agricultural implements.	United States	396	...	...	2,290	...	...
	United Kingdom	...	...	...	15	...	...
For ingot moulds	United States	2,190	...	...	17,739	...	...
	United Kingdom	552	...	...	639	...	...
Malleable	United States	182	...	...	613	...	...
Non-malleable	United States	44	...	...	994	...	...
	United Kingdom	...	...	...	1	...	...
Steel	United States	31	...	...	590	179	...
	Norway	...	...	...	20	...	...
	United Kingdom	...	...	...	28	...	...
For railway vehicles	United States	102	...	...	277	...	...
	France	...	...	...	696	...	...
Rolls	United States	164	156	...	1,914	579	...
	United Kingdom	...	...	...	10	22	...
Piston rings (rough)	United States	30	...	...	409	...	...
Forgings	United States	103	164	...	1,523	788	6.6
	United Kingdom	110	14	...	1,059	400	...
	Germany	17	...	...	39	...	...
Wheels -							
For railway rolling stock ..	United States	75	...	...	781	...	...
	United Kingdom	585	...	...	5,825	...	...
Tires -							
For railway rolling stock ..	United States	1,020	...	...	1,174	...	...
	United Kingdom	...	...	...	6,191	19	...
Rails -							
60 lb. and under	United States	27	...	...	430	...	...
	Belgium	...	...	...	866	...	...
	France	...	...	...	67	...	...
Over 60 lb. and including							
100 lb.	United States	665	...	...	1,973	...	...
	United Kingdom	1,599	...	...	3,904	...	...
Over 100 lb.	United States	14	...	...	105	...	...
	United Kingdom	...	...	...	91	...	...
Axles - for railway vehicles .	United States	3	...	...	78	...	...
	United Kingdom	38	...	...	119	...	...
Track material - Angles, bars, tie plates, rail joints	United States	388	...	...	1,455	...	...
	Belgium	...	...	...	387	...	...
	France	...	...	...	2	...	...
	United Kingdom	...	...	...	691	...	...
Intersections, switches, frogs.	United States	8	...	...	192	...	...
	Germany	...	...	...	1	...	...
Total Imports	United States	92,543	3,591	785.1	739,844	33,627	6,312.3
	All other	53,596	370	37.2	435,873	3,892	749.2
TOTAL		146,139	3,961	822.3	1,175,717	37,519	7,061.5

Table 15 - Exports of Primary Iron and Steel, September and Year to Date, 1951

	September	Year to date
	(Tons of 2,000 pounds)	
Pig iron	12,095	124,528
Ingots, blooms and billets	9,086	24,520
Bars	1,612	9,161
Rods	6	334
Plates, sheets and strips	1,961	22,661
Rails .....	...	...
Structural shapes	425	2,044
Pipe and tubing - Wrought iron ..	117	3,538
Cast iron	81	754
Galvanized	47	1,459
Other	67	1,322
Castings, iron and steel	1,005	14,456
Forgings	1,198	3,090
Total	27,700	207,867



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PRIMARY IRON AND STEELOCTOBER - 1951

Pig Iron - Production of pig iron in Canada amounted to 224,511 tons in October compared with 205,811 tons in the corresponding month of last year. The total for the current month included 180,145 tons of basic iron, 26,309 tons of foundry iron and 18,057 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in October amounted to 21,151 tons compared with 22,977 tons in the previous month and with 16,959 tons in October of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during October totalled 309,414 tons compared with 293,928 tons in October of last year. Output in the month under review included 298,159 tons of ingots and 11,255 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During October, 1950 and 1951

	October, 1950		October, 1951	
	Tonnage made (★)	Tonnage sold	Tonnage made (★)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	149,571	13,526	180,145	26,308
Foundry	16,319	15,285	26,309	23,632
Malleable	39,921	39,595	18,057	22,301
Total Pig Iron	205,811	68,406	224,511	72,241
<u>Ferro-alloys</u>	16,959	#	21,151(+)	#

(#) Not recorded

(+) Partly estimated.

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Sales for the Ten Months Ended October, 1950 and 1951

	1950		1951	
	Tonnage made (★)	Tonnage sold	Tonnage made (★)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	1,464,583	63,563	1,645,568	136,183
Foundry	186,760	183,236	252,471	247,165
Malleable	251,919	250,555	210,607	215,083
Total Pig Iron	1,903,262	497,354	2,108,646	598,431
<u>Ferro-alloys</u>	149,314	#	203,358	#

(#) Not recorded.

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During October, 1950 and 1951 and Ten Months Ended October, 1951

	October 1950	October 1951	Ten months ended October, 1951
	(Net tons of 2,000 pounds)		
Iron ore	364,113	396,052	3,648,449
Mill cinder, scale, sinter, etc.	42,973	44,048	432,887
Limestone	78,919	86,046	781,462
Dolomite	13,157	17,653	137,177
Coke	190,982	212,061	1,954,866
Scrap iron and steel	7,905	6,097	62,036

Table 4 - Iron Blast Furnaces

Name of Company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd. ..	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		15	3,025,000

Table 5 - Description of Iron Blast Furnaces at End of October, 1951

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	14	2,889,950	95.5
Banked .....	...	...	...
Blown out	1	135,050	4.5
Total	15	3,025,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During October, 1950 and 1951

	October, 1950		October, 1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	234,560	14,540	252,221	10,090
Electric	51,094	6,773	45,938	4,994
Total Steel Ingots	285,654	21,313	298,159	15,084
Alloy steel ingots included in above	16,729	...	17,074	14
<u>Steel Castings</u>				
Open hearth - basic	2,041	1,856	2,950	2,566
Converter	10	7	58	32
Electric	6,223	5,215	8,247	6,405
Total Steel Castings	8,274	7,078	11,255	9,003
Alloy steel castings included in above:-				
(a) High alloy, except manganese and abrasion resistant			145	118
(b) High alloy, manganese and abrasion resistant)	1,601	1,069	1,313	1,187
(c) All other alloys			787	245

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Ten Months Ended October, 1950 and 1951

	1950		1951	
	Tonnage made(★)	Tonnage sold	Tonnage made(★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	2,293,091	132,320	2,423,298	110,211
Electric	443,749	65,858	440,587	48,017
Total Steel Ingots	2,736,840	198,178	2,863,885	158,228
Alloy steel ingots included in above	158,341	...	174,588	5,378
<u>Steel castings</u>				
Open hearth - basic	16,635	14,961	25,122	22,453
Converter	162	151	210	130
Electric	49,764	38,010	74,524	57,777
Total Steel Castings	66,561	53,122	99,856	80,360
Alloy steel castings included in above (x)	15,287	9,133	20,027	12,006

(★) Includes amounts for sale and for own use. (x) Breakdown not available for full period.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During October, 1950 and 1951, and Ten Months Ended October, 1951

	October 1 9 5 0	October 1 9 5 1	Ten months ended October, 1951
	(Net tons of 2,000 pounds)		
Pig iron	144,074	157,500	1,515,893
Scrap - Own make	84,849	85,156	820,848
Purchased	87,952	91,610	890,529

Table 9 - Steel Furnace Capacity at End of October, 1951

	Annual Capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1950 and 1951

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
<u>1 9 5 0</u>		(Net tons of 2,000 pounds)			
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
November	208,301	16,920	279,754	9,734	289,488
December	198,169	15,341	281,474	9,768	291,242
Total	2,309,732	181,575	3,298,068	86,063	3,384,131
<u>1 9 5 1</u>					
January	201,086	19,062	299,410	10,243	309,653
February	193,227	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
October	224,511	21,151	298,159	11,255	309,414
Total - Ten Months	2,108,646	203,358	2,863,885	99,856	2,963,741

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 269,539 net tons in October, 1951 compared with 257,802 tons in October, 1950. The October shipments included 5,664 tons of semi-finished shapes, 18,763 tons of structurals, 16,958 tons of plates, 15,552 tons of rails, 6,697 tons of tie plates and track material, 49,568 tons of hot rolled bars, 24,385 tons of pipes and tubes, 30,550 tons of wire rods, 25,322 tons of black sheets, 9,109 tons of galvanized sheets, 10,394 tons of castings, and 49,934 tons of other rolled products. The amount of producers' interchange was 136,233 tons in October, 1951 as against 123,547 tons in October, 1950.

Of the amounts shipped for sale during October, 44,820 tons went direct to railways and railway car shops; 14,816 tons went to pressing, forming and stamping plants; 38,053 tons to merchant trade products; 36,628 tons to building construction; 24,294 tons to the containers industry; 14,081 tons to agricultural equipment; 20,391 tons to the automotive industry; 14,186 tons to machinery plants; 3,546 tons to shipbuilding; 11,903 tons to mining, lumbering, etc., and 11,004 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 26,774 tons, and exports for 9,043 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 136,233 tons in October, 1951.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, October, 1951

	Production	Shipments	
	(including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	9,116	5,491	3,459
Other semi-finished shapes, not for re-rolling by makers	42,873	5,664	38,309
Structural shapes and piling	20,705	18,763	...
Plates	18,095	16,772	...
Rails	22,061	15,552	...
Tie plates and track material: Splice bars	194	275	...
Tie plates	5,634	5,006	...
Spikes	1,342	1,416	...
Concrete reinforcing bars	15,039	15,248	...
Hot rolled bars for cold finishing	1,472	...	1,429
Other hot rolled bars	46,191	41,634	4,987
Pipes and tubes	22,456	24,385	10
Wire rods	27,694	30,486	22
Hot rolled black sheets	66,090	11,885	54,115
Cold reduced black sheets	19,005	13,437	5,615
Galvanized sheets	9,231	9,109	...
Steel castings	9,089	8,358	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	62,263	33,518	28,086
Total - Carbon Steel	398,550	256,999	136,032
<u>Alloy Steel</u>			
Billets, etc., for forging	1,022	1,152	...
Other semi-finished shapes, not for re-rolling by makers	116	...	200
Structural shapes and piling .....	...	...	...
Plates .....	...	186	...
Hot rolled bars for cold finishing .....	...	...	1
Other hot rolled bars	7,226	7,934	...
Pipes and tubes .....	...	...	...
Wire rods	69	64	...
Steel castings	2,246	2,036	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	1,118	1,168	...
Total - Alloy Steel	11,797	12,540	201

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Primary Iron and Steel

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Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Ten Months Ended October, 1951

	October, 1931 P r o d u c t i o n (including producers' interchange)	S h i p m e n t s For Producers' sale interchange	
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	88,533	48,009	43,129
Other semi-finished shapes, not for re-rolling by makers	427,958	24,877	417,463
Structural shapes and piling	173,634	155,792	8
Plates	158,794	158,607	...
Rails	215,725	210,578	...
Tie plates and track material - Splice bars ...	18,655	17,610	...
Tie plates	56,599	55,816	...
Spikes	13,337	13,736	...
Concrete reinforcing bars	124,773	123,484	...
Hot rolled bars for cold finishing	7,975	...	7,988
Other hot rolled bars	439,370	369,431	84,969
Pipes and tubes	210,067	220,013	14
Wire rods	265,204	264,069	518
Hot rolled black sheets	695,757	169,917	521,046
Cold reduced black sheets	187,165	134,745	49,377
Galvanized sheets	93,152	94,564	239
Steel castings	79,904	77,217	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	615,448	328,192	280,975
Total - Carbon Steel	3,872,050	2,466,657	1,405,726
<u>Alloy Steel</u>			
Billets, etc., for forging	14,385	14,140	924
Other semi-finished shapes, not for re-rolling by makers	3,711	...	3,720
Structural shapes and piling .....	...	...	...
Plates	2,033	2,136	...
Hot rolled bars for cold finishing	82	...	65
Other hot rolled bars	79,177	77,910	170
Pipes and tubes .....	...	...	...
Wire rods	835	848	...
Steel castings	20,683	19,054	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	10,086	9,769	...
Total - Alloy Steel	130,992	123,857	4,879

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, October and Year to Date, 1951

	O c t o b e r		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	15,150	5,241	146,728	67,503
Agricultural, including farm machinery .	13,532	549	116,405	3,436
Building construction	36,550	78	323,638	803
Containers industry.....	24,283	11	253,906	74
Machinery and tools	12,931	1,255	123,526	10,611
Merchant trade products	37,681	372	339,002	4,087
Mining, lumbering, etc.	10,338	1,565	101,016	10,798
National defence	5,529	1,150	32,419	5,690
Pressing, forming and stamping	14,658	158	147,956	2,233
Public works and utilities	2,621	40	23,462	397

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, October and Year to Date, 1951 (Concluded)

	O c t o b e r		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Railway operating	28,974	330	344,566	2,693
Railway cars and locomotives	15,378	138	151,308	2,070
Shipbuilding	3,401	145	32,489	855
Miscellaneous and unclassified	1,430	234	14,763	2,593
Wholesalers and warehouses	26,647	127	269,031	2,285
Direct export (a) to British Empire	307	294	4,107	1,644
(b) to other countries	7,589	853	42,335	6,085
Total Shipped for Sale	256,999	12,540	2,466,657	123,857
Producers' interchange	136,032	201	1,405,726	4,879

Table 14 - Imports of Primary Forms of Iron and Steel, October and Year to Date, 1951

Commodity	Country of origin	O c t o b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	...	...	...	1,620	...	...
	Germany	...	...	...	1,471	...	...
Foundry	Germany	...	...	...	10,079	...	...
Malleable	United States	...	...	...	341	...	...
	United Kingdom	169	...	...	169	...	...
Special	United States	...	...	...	485	...	...
	Holland	110	...	...	110	...	...
Ingot	United States	12,203	41	...	67,282	155	...
Billets, blooms, slabs and sheet bars .	United States	9	52	...	550	588	...
	United Kingdom	...	...	...	...	10	...
	Germany	...	...	...	545	...	...
Tube rounds and tube billets	United States	...	...	...	3,977	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	7,650	437	14.2	37,758	3,268	205.0
	United Kingdom	1,159	156	...	9,428	789	53.7
	Belgium	3,407	...	...	27,644	...	...
	France	2,502	...	...	14,872	...	...
	Japan	...	...	...	860	...	...
	Germany	4,633	...	...	11,284	5	...
	Sweden	...	...	...	43	10	...
	Austria	...	...	...	465	...	...
Hot rolled -							
For agricultural implements	United States	2,453	23	...	12,836	633	...
	United Kingdom	5	...	...	273	...	...
Rounds over 4 $\frac{7}{8}$ " , squares over 4" ..	United States	63	11	...	617	101	...
	United Kingdom	5	...	...	356	52	.5
Angles, channels, etc.	United States	388	...	5.1	5,044	128	39.5
	Belgium	565	...	...	9,848	...	...
	United Kingdom	187	...	...	6,436	...	.6
	France	...	...	...	2,504	...	...
	Germany	...	...	...	889	...	...
Structurals (bar sizes) for agri- cultural implements	United States	474	...	...	4,907	...	2.2
	United Kingdom	...	...	...	830	...	...
	France	...	...	...	152	...	...
	Germany	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
Sash or casement sections	United States	104	...	...	2,950	...	...
	Belgium	140	...	...	512	...	...
	United Kingdom	23	...	...	92	...	...
	Germany	...	...	...	27	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, October and Year to Date, 1951 (Continued)

Commodity	Country of origin	O c t o b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Bars and sections - (concluded)							
Cold rolled, n.o.p.	United States	397	10	1.1	3,847	229	43.4
	United Kingdom	263	...	...	3,069	110	17.3
	Belgium	...	...	...	306	...	...
	Sweden	72	...	...	200	33	...
	Germany	...	...	...	447	...	...
	France	441	...	...	705	...	...
Cold rolled, for agricultural implements	United States	575	...	...	4,393	49	4.0
	United Kingdom	...	...	...	268	16	...
Tool steel	United States	2	69	...	235	1,049	...
	United Kingdom	4	33	...	586	899	...
	Sweden	...	...	...	...	6	...
Structurals	United States	18,143	...	...	149,497	4	1.3
	United Kingdom	3,234	...	...	24,937	2	...
	Belgium	9,577	...	...	58,347	...	...
	France	1,944	...	...	9,126	...	...
	Germany	...	...	...	802	...	...
Plates -							
78" and under in width	United States	10,980	3	15.2	44,954	151	562.8
	United Kingdom	2,319	...	6.2	30,068	13	93.1
	France	1,171	...	106.6	9,409	...	106.6
	Germany	2,248	...	...	7,208	...	...
	Japan	...	...	...	635	...	...
	Belgium	1,458	...	...	11,348	...	...
Over 78" and under 100" in width	United States	2,568	...	...	18,022	34	51.1
	United Kingdom	1,532	...	25.1	23,992	...	28.7
	Belgium	...	...	...	327	...	...
	France	...	...	...	244	...	...
	Austria	...	...	...	27	...	...
	Germany	276	...	...	544	...	...
100" in width and over	United States	236	...	...	4,695	19	4.5
	United Kingdom	37	...	...	653	...	...
	Belgium	...	...	...	436	...	...
Flanged, dished or curved	United States	419	...	.2	2,169	...	26.3
	United Kingdom	73	...	...	813	...	...
Boiler, pulp-mill digesters	United States	146	...	...	4,118	...	36.2
	United Kingdom	204	...	...	2,033	...	...
	Belgium	...	...	...	21	...	...
	France	...	...	...	27	...	...
Chequered or surface pattern	United States	354	...	...	4,495	...	...
	United Kingdom	...	...	...	889	...	...
Painted	United States	...	...	...	2	...	...
Sheets -							
Silicon .075 or more	United States	...	2,481	...	...	22,063	...
	United Kingdom	...	158	...	...	1,322	...
Galvanized	United States	913	...	...	9,368	...	...
	United Kingdom	211	...	...	3,760	...	...
	France	15	...	...	299	...	...
	Germany	...	...	...	63	...	...
	Belgium	...	...	...	270	...	...
Hot rolled -							
18 gauge and heavier	United States	4,442	112	21.1	66,780	384	663.8
	Germany	912	...	...	8,890	...	5.9
	Belgium	451	...	...	14,917	...	...
	United Kingdom	499	...	11.6	7,997	75	189.9
	France	180	...	...	6,916	...	...
	Sweden	...	...	...	155	...	...
	Japan	15	...	...	870	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, October and Year to Date, 1951 (Continued)

Commodity	Country of origin	O c t o b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets - (concluded)							
Hot rolled -							
Lighter than 18 gauge	United States	333	39	30.3	5,212	130	172.4
	United Kingdom	187	...	...	1,613	3	22.4
	Belgium	...	...	...	2,504	...	...
	France	...	...	...	1,638	...	...
	Japan	...	...	...	572	...	...
	Germany	...	...	...	905	...	...
For hollow ware (vitreous enamel)	United States	316	...	...	2,724	...	...
	United Kingdom	...	...	...	33	...	...
	Belgium	...	...	...	55	...	...
	France	...	...	...	1,158	...	...
	Germany	...	...	...	426	...	...
Corrugated	United States	265	...	...	3,629	...	...
	United Kingdom	...	...	...	242	...	...
Coated with paint, tar, asphaltum, etc.	United States	31	...	...	748	...	...
	Germany	18	...	...	46	...	...
For saws	United States	28	126	...	188	973	...
	United Kingdom	...	45	...	5	116	...
For cold rolled strip	United States	...	...	...	153	...	...
For tubes	United States	...	...	...	1,320	...	...
Cold rolled -							
18 gauge and heavier	United States	2,606	...	171.6	16,646	26	1,078.3
	United Kingdom	553	...	39.6	3,776	26	111.9
	Belgium	...	...	...	191	4	...
	Italy	...	...	...	827	...	...
	Germany	...	...	...	823	...	...
	France	...	...	...	304	...	...
Lighter than 18 gauge	United States	3,433	...	247.3	33,600	61	1,786.6
	United Kingdom	348	...	.8	3,267	1	81.4
	Sweden	...	...	...	1	...	...
	France	...	...	...	297	...	...
	Belgium	...	...	...	2,475	...	...
	Germany	...	...	...	329	...	...
For hollow ware (vitreous enamel) .	United States	411	...	...	9,467	...	...
	United Kingdom	269	...	...	2,385	...	...
	France	...	...	...	175	...	...
	Belgium	...	...	...	649	...	...
	Germany	...	...	...	474	...	...
Black plate - Tin mill	United States	17	...	...	688	...	...
	United Kingdom	...	...	...	76	...	...
Coated with paint, tar, asphaltum, etc.	United States	135	...	...	443	...	...
	United Kingdom	...	...	...	83	...	...
	Sweden	...	...	...	25	...	...
	Germany	45	...	...	45	...	...
For heating apparatus	United States	213	...	...	819	...	...
For saws	United States	1	4	...	87	104	...
	Sweden	...	...	...	1	9	...
For tubes	United States	1,333	...	...	6,478	...	...
Tin plate - Primes	United States	7	...	...	151	...	...
	United Kingdom	41	...	...	532	...	...
Seconds	United Kingdom	...	...	...	20	...	...
Electrolytic 25#	United States	60	...	...	398	...	...
Terne plate - Long	United States	345	...	...	4,586	...	...
	United Kingdom	...	...	...	108	...	...
Short	United States	143	...	...	2,342	...	...
	United Kingdom	...	...	...	121	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, October and Year to Date, 1951 (Continued)

Commodity	Country of origin	O c t o b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,968	2	4.3	13,604	35	29.0
	Belgium	86	...	...	964	...	...
	United Kingdom	46	6	16.4	743	8	16.4
	France	...	...	...	225	...	...
	Germany	...	...	...	147	...	...
Lighter than 18 gauge	United States	247	5	...	1,120	5	46.9
	United Kingdom	...	...	...	75	...	...
	Belgium	...	...	...	346	...	...
For cold rolling	United States	185	...	...	2,031	...	...
	United Kingdom	...	...	...	13	...	...
Painted	United States	676	...	...	2,689	...	...
	United Kingdom	7	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	98	...	...	1,045	30	...
For saws	United States	2	30	...	239	372	...
	United Kingdom	...	...	...	3	7	...
	Sweden	...	...	...	18	...	...
For motor vehicles	United States	1,657	...	...	15,736	...	...
	Belgium	...	...	...	20	...	...
For hoops	United States	62	...	...	2,050	...	...
	United Kingdom	...	...	...	711	...	...
	Belgium	475	...	...	1,355	...	...
	Sweden	...	...	...	6	...	...
For tubes	United States	23	4	...	1,328	4	...
	Belgium	...	...	...	619	...	...
For tubular products	United States	...	...	...	71	...	...
Silicon .075 or more	United States	...	...	...	...	1,805	...
Cold rolled -							
18 gauge and heavier	United States	601	14	50.5	4,630	112	397.2
	United Kingdom	79	...	...	476	1	1.3
	Sweden	...	...	...	21	...	6.6
	Germany	...	...	...	6	...	...
	Belgium	...	...	...	98	...	...
Lighter than 18 gauge	United States	517	4	107.8	5,266	151	1,390.9
	Sweden	6	...	...	473	72	...
	United Kingdom	118	1	...	394	7	...
	France	...	...	...	107	...	...
	Belgium	...	...	...	25	4	...
	Germany	70	...	...	238	...	...
Painted	United States	563	...	...	4,671	...	...
	Germany	...	...	...	46	...	...
	United Kingdom	...	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	34	...	...	504	...	...
	United Kingdom	...	...	...	117	...	...
For saws	United States	3	20	...	100	209	...
	Sweden	3	5	...	3	88	...
	United Kingdom	...	...	...	2	...	...
For tubes	United States	1,283	...	...	3,978	...	...
	France	...	...	...	271	...	...
	Germany	...	...	...	48	...	...
	Belgium	...	...	...	329	...	...
For tubular products	United States	73	...	...	1,916	...	.6
For butt hinges	United States	44	...	...	1,267	...	...
	United Kingdom	...	...	...	26	...	...
Silicon .075 or more	United States	...	...	...	...	50	...
For hoops	United States	14	...	...	64	...	...
	United Kingdom	...	...	...	7	...	...
Galvanized strip	United States	250	...	...	4,350	...	...
	United Kingdom	38	...	...	485	...	...
	Germany	...	...	...	110	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, October and Year to Date, 1951 (Continued)

Commodity	Country of origin	O c t o b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Skelp -							
15 $\frac{3}{8}$ " in width	United States	7,511	...	...	86,187	...	...
	France	987	...	...	3,343	...	...
	Belgium	1,790	...	...	11,946	...	...
	United Kingdom	8,204	...	...	18,789	...	...
Over 15 $\frac{3}{8}$ " in width	United States	...	...	...	1,018	...	...
	Germany	...	...	...	411	...	...
Plate	United States	1,294	...	...	2,774	...	...
Pipes and tubes -							
Cast	United States	35	...	...	804	...	...
	United Kingdom	936	...	...	13,090	...	...
	Germany	...	...	...	2,845	...	...
	Sweden	...	...	...	231	...	...
Bedstead	United States	...	...	...	311	...	.2
	France	...	...	...	22	...	...
	United Kingdom	...	...	...	42	...	...
	Belgium	11	...	...	11	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	617	1	.1	3,391	80	.1
	United Kingdom	167	...	...	2,143	...	...
	Sweden	...	...	...	86	...	...
	France	...	...	...	267	...	...
Cold drawn	United States	40	...	.2	752	94	21.5
	United Kingdom	106	...	...	1,170	2	38.0
	Sweden	...	...	...	20	46	1.7
Welded	United States	7	...	...	722	73	2.9
	United Kingdom	...	...	...	...	...	.6
Seamless, 12" and under in diameter -							
Cold drawn	United States	349	88	13.8	4,896	778	137.6
	United Kingdom	166	16	45.2	1,922	95	167.9
	Sweden	3	...	...	587	...	...
Hot finished	United States	892	...	5.8	5,866	1,277	8.7
	United Kingdom	341	...	...	4,807	2	...
	Czechoslovakia	...	...	...	1	...	...
	Germany	31	...	...	43	...	...
	France	...	...	...	325	...	...
	Sweden	...	...	...	...	27	...
Seamless, over 12" in diameter -							
Hot finished	United States	537	...	...	2,789	5	...
	United Kingdom	5,410	...	...	12,981	...	...
Welded, 4" and under in diameter	United States	504	...	.9	6,404	102	33.1
	United Kingdom	538	...	...	6,204	...	1.6
	Belgium	37	...	...	755	...	...
	Czechoslovakia	...	...	...	43	...	...
	Holland	...	...	...	1,143	...	...
	Germany	18	...	...	26	...	...
	France	...	...	...	130	...	...
Welded, over 4" in diameter	United States	154	...	...	2,472	...	.6
	United Kingdom	820	...	...	1,991	...	...
	Germany	...	...	...	80	...	...
	Belgium	...	...	...	27	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	17	...	...	307	...	...
Spiral welded	United States	654	...	...	2,301	...	...
Casings	United States	3,628	...	...	50,777	...	...
	United Kingdom	429	...	...	7,108	...	...
	Germany	...	...	...	2,191	...	...
	Netherlands	...	...	...	35	...	...
	Belgium	...	...	...	2,071	...	...
	France	...	...	...	514	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, October and Year to Date, 1951 (Continued)

Commodity	Country of origin	O c t o b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes - (concluded)							
Tubing -							
Fittings and couplings	United States	275	...	3.8	3,933	...	38.3
	United Kingdom	9	...	...	475	...	...
	Germany	...	...	...	58	...	...
Wire rope	United States	48	...	.1	620	...	36.6
	United Kingdom	90	...	...	1,129	...	...
	Belgium	...	...	...	1	...	...
	Germany	2	...	...	219	...	...
	Holland	...	...	...	8	...	...
Wire for rope	United States	1,019	...	.5	7,131	...	.8
	United Kingdom	978	...	...	7,224	...	...
	Norway	...	...	...	30	...	...
	Belgium	147	...	...	189	...	...
	Germany	38	...	...	38	...	...
Wire - For fencing, galvanized	United States	...	...	...	32	...	...
For corset laces, steels, etc. .	United States	12	...	...	135	...	...
	United Kingdom	...	...	...	31	...	...
For spring mattresses, etc.	United States	330	...	...	3,963	...	...
	United Kingdom	...	...	...	120	...	...
	Czechoslovakia	...	...	...	100	...	...
	Belgium	...	...	...	36	...	...
	Germany	...	...	...	43	...	...
Wire cloth and netting	United States	157	...	.2	1,334	...	.5
	United Kingdom	21	...	...	393	...	...
	Germany	3	...	...	39	...	.3
Wire, coated	United States	104	...	...	1,893	...	...
	United Kingdom	35	...	...	178	...	...
	France	...	...	...	106	...	...
	Germany	...	...	...	2	...	...
Wire, all other	United States	690	1	2.2	6,947	171	58.5
	United Kingdom	46	...	...	334	4	17.6
	Germany	15	...	...	462	3	...
	France	...	...	...	92	...	...
	Sweden	1	...	...	47	3	.2
	Belgium	...	...	...	274	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	95	...	...	986	...	...
	France	...	...	...	1,784	...	...
	Belgium	276	...	...	1,620	...	...
	Germany	228	...	...	1,552	...	...
	United Kingdom	310	...	...	423	...	...
	Sweden	...	...	...	223	...	...
Welding wire and welding rods	United States	124	28	10.5	871	184	131.1
	United Kingdom	...	...	...	...	1	36.5
Castings -							
For agricultural implements	United States	283	...	...	2,573	...	...
	United Kingdom	...	...	...	15	...	...
For ingot moulds	United States	2,249	...	...	19,988	...	...
	United Kingdom	...	...	...	639	...	...
Malleable	United States	61	...	...	674	...	...
Non-malleable	United States	87	...	...	1,081	...	...
	United Kingdom	14	...	...	15	...	...
Steel	United States	2	...	...	592	179	...
	Norway	14	...	...	34	...	...
	United Kingdom	1	...	...	29	...	...
For railway vehicles	United States	120	...	...	397	...	...
	France	...	...	...	696	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, October and Year to Date, 1951 (Concluded)

Commodity	Country of origin	O c t o b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Castings - (concluded)							
Rolls	United States	351	13	...	2,265	592	...
	United Kingdom	...	...	...	10	22	...
Piston rings (rough)	United States	15	...	...	424	...	...
Forgings	United States	167	103	5.4	1,690	891	12.0
	United Kingdom	72	56	...	1,131	456	...
	Germany	...	...	...	39	...	...
Wheels - For railway rolling stock	United States	194	...	...	975	...	...
	United Kingdom	807	...	...	6,632	...	...
Tires - For railway rolling stock	United States	33	...	...	1,207	...	...
	United Kingdom	2,494	...	...	8,685	19	...
Rails - 60 lb. and under	United States	378	...	...	808	...	...
	Belgium	329	...	...	1,195	...	...
	France	...	...	...	67	...	...
	Germany	440	...	...	440	...	...
Over 60 lb. and including 100 lb.	United States	1,439	...	...	3,412	...	...
	United Kingdom	815	...	...	4,719	...	...
	Belgium	23	...	...	23	...	...
Over 100 lb.	United States	...	...	...	105	...	...
	United Kingdom	...	...	...	91	...	...
Axles - For railway vehicles	United States	...	...	...	78	...	...
	United Kingdom	...	...	...	119	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	314	...	...	1,769	...	...
	Belgium	147	...	...	534	...	...
	France	...	...	...	2	...	...
	United Kingdom	146	...	...	837	...	...
	Germany	24	...	...	24	...	...
Intersections, switches, frogs	United States	20	...	...	212	...	...
	Germany	...	...	...	1	...	...
Total Imports	United States	105,302	3,721	712.2	845,146	37,348	7,024.5
	All other	69,949	476	251.5	505,822	4,368	1,000.7
TOTAL		175,251	4,197	963.7	1,350,968	41,716	8,025.2

Table 15 - Exports of Primary Iron and Steel, October and Year to Date, 1951

	October	Year to date
(Tons of 2,000 pounds)		
Pig iron	36,506	161,034
Ingots, blooms and billets	4,649	29,169
Bars	858	10,019
Rods .....	...	334
Plates, sheets and strips	1,691	24,352
Rails .....	...	...
Structural shapes	661	2,705
Pipe and tubing - Wrought iron	36	3,574
Cast iron	24	778
Galvanized	166	1,625
Other	53	1,375
Castings, iron and steel	1,628	16,084
Forgings	1,438	4,528
Total	47,710	255,577

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PRIMARY IRON AND STEEL

NOVEMBER - 1951

Pig Iron - Production of pig iron in Canada amounted to 223,467 tons in November compared with 208,301 tons in the corresponding month of last year. The total for the current month included 165,847 tons of basic iron, 21,311 tons of foundry iron and 36,309 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in November amounted to 22,271 tons compared with 25,777 tons in the previous month and with 16,920 tons in November of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during November totalled 307,075 tons compared with 289,488 tons in November of last year. Output in the month under review included 295,485 tons of ingots and 11,590 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During November, 1950 and 1951

	November, 1950		November, 1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage sold
	(Net tons of 2,000 pounds)			
Pig iron -				
Basic	149,470	20,962	165,847	14,277
Foundry	23,198	22,993	21,311	18,760
Malleable	35,633	35,633	36,309	33,101
Total Pig Iron	208,301	79,588	223,467	66,138
Ferro-alloys	16,920	#	22,271	#

(*) Includes amounts for sale and for own use. (#) Not recorded.

Table 2 - Cumulative Production and Sales for the Eleven Months Ended November, 1950 and 1951

	1950		1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage sold
	(Net tons of 2,000 pounds)			
Pig iron -				
Basic	1,614,053	84,525	1,811,415	150,460
Foundry	209,958	206,229	273,782	265,925
Malleable	287,552	286,188	246,916	248,184
Total Pig Iron	2,111,563	576,942	2,332,113	664,569
Ferro-alloys	156,632	#	230,255	#

(#) Not recorded.

(*) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During November, 1950 and 1951 and Eleven Months Ended November, 1951

	November 1950	November 1951	Eleven months ended November, 1951 (*)
	(Net tons of 2,000 pounds)		
Iron ore	366,211	387,073	4,035,522
Mill cinder, scale, sinter, etc. ...	45,061	51,735	484,622
Limestone	77,443	87,970	869,432
Dolomite	12,538	17,625	154,802
Coke	191,745	210,877	2,165,743
Scrap iron and steel	7,646	4,791	66,827

(*) Cumulative totals have been revised.

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Table 4 - Iron Blast Furnaces

Name of Company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd. ..	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		15	3,025,000

Table 5 - Description of Iron Blast Furnaces at End of November, 1951

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	14	2,889,950	95.5
Banked .....	...	...	...
Blown out	1	135,050	4.5
Total	15	3,025,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During November, 1950 and 1951

	November, 1950		November, 1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	237,384	9,814	249,482	5,369
Electric	42,370	4,594	46,003	7,026
Total Steel Ingots	279,754	14,408	295,485	12,395
Alloy steel ingots included in above	18,537	...	11,317	42
<u>Steel castings</u>				
Open hearth - basic	3,016	2,828	3,347	2,954
Converter	20	16	60	64
Electric	6,698	5,914	8,183	7,392
Total Steel Castings	9,734	8,758	11,590	10,410
Alloy steel castings included in above:-				
(a) High alloy, except manganese and abrasion resistant			361	405
(b) High alloy, manganese and abrasion resistant ..	1,703	1,283	879	741
(c) All other alloys			833	872

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Eleven Months Ended November, 1950 and 1951

	1950		1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	2,530,475	142,134	2,672,780	115,580
Electric	486,119	70,452	486,590	55,043
Total Steel Ingots	3,016,594	212,586	3,159,370	170,623
Alloy steel ingots included in above	176,878	...	185,905	5,420
<u>Steel castings</u>				
Open hearth - basic	19,651	17,789	28,469	25,407
Converter	182	167	270	194
Electric	56,462	43,924	82,707	65,169
Total Steel Castings	76,295	61,880	111,446	90,770
Alloy steel castings included in above (x)	16,990	10,416	22,100	14,024

(*) Includes amounts for sale and for own use.

(x) Breakdown not available for full period.

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Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During November, 1950 and 1951, and Eleven Months Ended November, 1951

	November 1950	November 1951	Eleven months ended November, 1951
	(Net tons of 2,000 pounds)		
Pig iron	143,244	163,274	1,679,167
Scrap - Own make	87,282	86,480	907,328
Purchased	85,193	82,084	972,613

Table 9 - Steel Furnace Capacity at End of November, 1951

	Annual capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings .	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1950 and 1951

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 5 0</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	17,157	287,719	6,584	294,303
April	185,259	14,627	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
November	208,301	16,920	279,754	9,734	289,488
December	198,169	15,341	281,474	9,768	291,242
Total	2,309,732	181,575	3,298,068	86,063	3,384,131
<u>1 9 5 1</u>					
January	201,086	19,062	299,410	10,243	309,653
February	193,227	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
October	224,511	25,777	298,159	11,255	309,414
November	223,467	22,271	295,485	11,590	307,075
Total - Eleven Months ...	2,332,113	230,255	3,159,370	111,446	3,270,816

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 282,934 net tons in November, 1951 compared with 255,644 tons in November, 1950. The November shipments included 5,431 tons of semi-finished shapes, 21,460 tons of structurals, 19,294 tons of plates, 23,482 tons of rails, 6,818 tons of tie plates and track material, 54,401 tons of hot rolled bars, 23,328 tons of pipes and tubes, 26,713 tons of wire rods, 27,182 tons of black sheets, 9,555 tons of galvanized sheets, 10,931 tons of castings, and 45,189 tons of other rolled products. The amount of producers' interchange was 132,613 tons in November, 1951 as against 125,501 tons in November, 1950.

Of the amounts shipped for sale during November, 56,159 tons went direct to railways and railway car shops; 16,851 tons went to pressing, forming and stamping plants; 34,921 tons to merchant trade products; 31,555 tons to building construction; 21,651 tons to the containers industry; 15,552 tons to agricultural equipment; 20,136 tons to the automotive industry; 17,253 tons to machinery plants; 4,309 tons to shipbuilding; 12,143 tons to mining, lumbering, etc., and 9,936 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 32,221 tons, and exports for 10,247 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 132,613 tons in November, 1951.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, November, 1951

	Production (including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	11,793	8,375	3,686
Other semi-finished shapes, not for re-rolling by makers	41,204	5,431	31,853
Structural shapes and piling	25,180	21,460	...
Plates	18,720	19,221	...
Rails	23,812	23,482	...
Tie plates and track material: Splice bars	3,157	3,237	...
Tie plates	1,835	2,336	...
Spikes	1,360	1,245	...
Concrete reinforcing bars	11,964	11,879	...
Hot rolled bars for cold finishing	501	...	566
Other hot rolled bars	49,824	45,808	6,355
Pipes and tubes	23,062	23,328	...
Wire rods	27,089	26,652	63
Hot rolled black sheets	65,959	13,198	54,823
Cold reduced black sheets	20,467	13,984	6,858
Galvanized sheets	10,334	9,555	...
Steel castings	9,418	8,747	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	62,963	31,729	28,025
Total - Carbon Steel	408,642	269,667	132,229
<u>Alloy Steel</u>			
Billets, etc., for forging	793	775	...
Other semi-finished shapes, not for re-rolling by makers	384	...	384
Structural shapes and piling .....	...	...	...
Plates	63	73	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	8,097	8,593	...
Pipes and tubes .....	...	...	...
Wire rods	43	61	...
Steel castings	2,216	2,184	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	1,673	1,581	...
Total - Alloy Steel	13,269	13,267	384

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

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Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Eleven Months Ended November, 1951

November, 1921

	<u>P r o d u c t i o n</u>	<u>S h i p m e n t s</u>	
	(including producers' interchange)	For sale	Producers' interchange
		(Tons of 2,000 pounds)	
<u>Carbon Steel</u>			
Billets, etc., for forging	100,326	56,384	46,815
Other semi-finished shapes, not for re-rolling by makers	469,162	30,308	449,316
Structural shapes and piling	198,814	177,252	8
Plates	177,514	177,828	...
Rails	239,537	234,060	...
Tie plates and track material - Splice bars ...	21,812	20,847	...
Tie plates	58,434	58,152	...
Spikes	14,697	14,981	...
Concrete reinforcing bars	136,737	135,363	...
Hot rolled bars for cold finishing	8,476	...	8,554
Other hot rolled bars	489,194	415,239	91,324
Pipes and tubes	233,129	243,341	14
Wire rods	292,293	290,721	581
Hot rolled black sheets	761,716	183,115	575,869
Cold reduced black sheets	207,632	148,729	56,235
Galvanized sheets	103,486	104,119	239
Steel castings	89,322	85,964	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	678,411	359,921	309,000
Total - Carbon Steel	4,280,692	2,736,324	1,537,955

<u>Alloy Steel</u>				
Billets, etc., for forging	15,178	14,915	924	
Other semi-finished shapes, not for re-rolling by makers	4,095	...	4,104	
Structural shapes and piling .....	...	...	...
Plates	2,096	2,209	...	
Hot rolled bars for cold finishing	82	...	65	
Other hot rolled bars	87,274	86,503	170	
Pipes and tubes .....	...	...	...
Wire rods	878	909	...	
Steel castings	22,899	21,238	...	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	11,759	11,350	...	
Total - Alloy Steel	144,261	137,124	5,263	

Total 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, November and Year to Date, 1951

	<u>N o v e m b e r</u>		<u>Year to date</u>	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	14,182	5,954	160,910	73,457
Agricultural, including farm machinery ...	15,215	337	131,620	3,773
Building construction	31,332	223	354,970	1,026
Containers industry	21,616	35	275,522	109
Machinery and tools	16,267	986	139,793	11,597
Merchant trade products	34,558	363	373,560	4,450
Mining, lumbering, etc.	10,625	1,518	111,641	12,316

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Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, November and Year to Date, 1951 (concluded)

	N o v e m b e r		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
National Defence	5,836	954	38,255	6,644
Pressing, forming and stamping	16,659	192	164,615	2,425
Public works and utilities	1,637	37	25,099	434
Railway operating	35,754	325	380,320	3,018
Railway cars and locomotives	19,983	97	171,291	2,167
Shipbuilding	4,189	120	36,678	975
Miscellaneous and unclassified	1,282	190	16,045	2,783
Wholesalers and warehouses	31,986	235	301,017	2,520
Direct export (a) to British Empire	608	811	4,715	2,455
(b) to other countries	7,938	890	50,273	6,975
Total Shipped for Sale	269,667	13,267	2,736,324	137,124
Producers' interchange	132,229	384	1,537,955	5,263

Table 14 - Imports of Primary Forms of Iron and Steel, November and Year to Date, 1951

Table 14 - Imports of Primary Forms of Iron and Steel, November and Year to Date, 1951							
Commodity	Country of origin	N o v e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	...	...	...	1,620	...	...
	Germany	...	...	...	1,471	...	...
Foundry	Germany	...	...	...	10,079	...	...
Malleable	United States	...	...	...	341	...	...
	United Kingdom	...	...	...	169	...	...
Special	United States	57	...	...	542	...	...
	Holland	...	...	...	110	...	...
Ingots	United States	12,845	1	...	80,127	156	...
	Germany	112	...	...	112	...	...
Billets, blooms, slabs and sheet bars	United States	...	...	...	550	588	...
	United Kingdom	...	...	...	...	10	...
	Germany	...	...	...	545	...	...
Tube rounds and tube billets	United States	...	...	...	3,977	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	5,465	602	49.9	43,223	3,870	254.9
	United Kingdom	1,037	97	6.2	10,465	886	59.9
	Belgium	2,178	...	...	29,822	...	...
	France	1,981	...	...	16,853	...	...
	Japan	...	...	...	860	...	...
	Germany	2,694	...	...	13,978	5	...
	Sweden	...	...	...	43	10	...
	Austria	...	...	...	465	...	...
Hot rolled -							
For agricultural implements	United States	2,989	...	...	15,825	633	...
	United Kingdom	...	...	...	273	...	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4".	United States	1	5	...	618	106	...
	United Kingdom	40	6	...	396	58	.5
Angles, channels, etc.	United States	594	...	6.9	5,638	128	46.4
	Belgium	933	...	...	10,781	...	...
	United Kingdom	437	...	.2	6,873	...	.8
	France	680	...	...	3,184	...	...
	Germany	...	...	...	889	...	...
Structurals (bar sizes) for agri- cultural implements	United States	809	5,716	...	2.2
	United Kingdom	830
	France	152

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Table 14 - Imports of Primary Forms of Iron and Steel, November and Year to Date, 1951 (Continued)

Commodity	Country of origin	N o v e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (concluded)							
Hot rolled -							
Sash or casement sections	United States	346	...	...	3,296	...	...
	Belgium	...	...	...	512	...	...
	United Kingdom	5	...	...	97	...	...
	Germany	...	...	...	27	...	...
Cold rolled, n.o.p.	United States	464	20	6.8	4,311	249	50.2
	United Kingdom	216	1	...	3,285	111	17.3
	Belgium	40	...	...	346	...	...
	Sweden	...	...	...	200	33	...
	Germany	668	...	...	1,115	...	...
	France	...	...	...	705	...	...
Cold rolled, for agricultural implements							
	United States	378	...	...	4,771	49	4.0
	United Kingdom	...	...	...	268	16	...
Tool steel							
	United States	121	210	...	356	1,259	...
	United Kingdom	63	40	...	649	939	...
	Sweden	...	...	...	...	6	...
Structurals							
	United States	17,877	2	...	167,374	6	1.3
	United Kingdom	3,390	9	...	28,327	11	...
	Belgium	7,037	...	...	65,384	...	...
	France	1,075	...	...	10,201	...	...
	Germany	...	...	...	802	...	...
Plates -							
78" and under in width							
	United States	5,087	10	15.5	50,041	161	578.3
	United Kingdom	3,426	...	15.4	33,494	13	108.5
	France	3,905	...	...	13,314	...	106.6
	Germany	1,729	...	...	8,937	...	...
	Japan	3,528	...	...	4,163	...	...
	Belgium	1,746	...	56.1	13,094	...	56.1
	Austria	83	...	...	83	...	...
Over 78" and under 100" in width ..							
	United States	2,289	...	...	20,311	34	51.1
	United Kingdom	1,983	...	...	25,975	...	28.7
	Belgium	...	...	...	327	...	...
	France	...	...	...	244	...	...
	Austria	17	...	...	44	...	...
	Germany	32	...	...	576	...	...
100" in width and over							
	United States	186	...	...	4,881	19	4.5
	United Kingdom	411	...	1.2	1,064	...	1.2
	Belgium	106	...	...	542	...	...
	Germany	285	...	...	285	...	...
Flanged, dished or curved							
	United States	205	...	...	2,374	...	26.3
	United Kingdom	...	...	...	813	...	...
Boiler, pulp-mill digesters							
	United States	121	...	...	4,239	...	36.2
	United Kingdom	50	...	...	2,083	...	...
	Belgium	...	...	...	21	...	...
	France	...	...	...	27	...	...
Chequered or surface pattern							
	United States	517	...	...	5,012	...	...
	United Kingdom	171	...	...	1,060	...	...
Painted							
	United States	...	...	...	2	...	...
Sheets -							
Silicon .075 or more							
	United States	...	2,575	...	...	24,638	...
	United Kingdom	...	54	...	...	1,376	...
Galvanized							
	United States	907	10,275
	United Kingdom	416	4,176
	France	11	310
	Germany	63
	Belgium	270

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Table 14 - Imports of Primary Forms of Iron and Steel, November and Year to Date, 1951 (continued)

Table 14 - Imports of Primary Forms of Iron and Steel, November and Year to Date, 1921 (continued)							
Commodity	Country of origin	N o v e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (continued)							
Hot rolled -							
18 gauge and heavier	United States	6,402	62	14.3	73,182	446	678.1
	United Kingdom	501	2	16.4	8,498	77	206.3
	Belgium	737	...	...	15,654	...	...
	Germany	457	45	...	9,347	45	5.9
	France	183	...	...	7,099	...	...
	Sweden	...	...	...	155	...	...
	Japan	165	...	...	1,035	...	...
Lighter than 18 gauge	United States	401	...	42.2	5,613	130	214.6
	United Kingdom	268	...	.5	1,881	3	22.9
	Belgium	...	...	...	2,504	...	...
	France	...	...	...	1,638	...	...
	Japan	...	...	...	572	...	...
	Germany	...	...	...	905	...	...
For hollow ware (vitreous enamel)	United States	30	...	...	2,754	...	...
	United Kingdom	...	...	...	33	...	...
	Belgium	...	...	...	55	...	...
	France	3	...	...	1,161	...	...
	Germany	...	...	...	426	...	...
Corrugated	United States	118	...	...	3,747	...	...
	United Kingdom	...	...	...	242	...	...
Coated with paint, tar, asphaltum, etc.,	United States	...	...	...	748	...	...
	Germany	...	...	...	46	...	...
For saws	United States	40	75	...	228	1,048	...
	United Kingdom	...	3	...	5	119	...
For cold rolled strip	United States	...	...	...	153	...	...
For tubes	United States	...	...	...	1,320	...	...
Cold rolled -							
18 gauge and heavier	United States	1,106	...	155.2	17,752	26	1,233.5
	United Kingdom	100	...	16.9	3,876	26	128.8
	Belgium	65	...	...	256	4	...
	Italy	...	...	...	827	...	...
	Germany	...	...	...	823	...	...
	France	...	...	...	304	...	...
Lighter than 18 gauge	United States	2,295	...	192.4	35,895	61	1,979.0
	United Kingdom	23	...	10.1	3,290	1	91.5
	Sweden	...	...	...	1	...	...
	France	...	...	...	297	...	...
	Belgium	116	...	...	2,591	...	...
	Germany	...	...	...	329	...	...
For hollow ware (vitreous enamel)	United States	371	...	...	9,838	...	...
	United Kingdom	36	...	...	2,421	...	...
	France	...	...	...	175	...	...
	Belgium	...	...	...	649	...	...
	Germany	...	...	...	474	...	...
Black plate - Tin mill	United States	46	...	...	734	...	...
	United Kingdom	...	...	...	76	...	...
Coated with paint, tar, asphaltum, etc.,	United States	155	...	...	598	...	...
	United Kingdom	...	...	...	83	...	...
	Sweden	...	...	...	25	...	...
	Germany	...	...	...	45	...	...
For heating apparatus	United States	79	...	...	898	...	...
For saws	United States	...	14	...	87	118	...
	Sweden	...	...	...	1	9	...
For tubes	United States	580	...	...	7,058	...	...
Tin plate - Primes	United States	123	...	...	274	...	...
	United Kingdom	180	712
Seconds	United Kingdom	20
Electrolytic 25#	United States	6	404

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Table 14 - Imports of Primary Forms of Iron and Steel, November and Year to Date, 1951 (continued)

Commodity	Country of origin	N o v e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Terne plate - Long	United States	522	...	...	5,108	...	...
	United Kingdom	...	...	...	108	...	...
	Short	324	...	...	2,666	...	...
	United Kingdom	...	...	...	121	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,587	16	1.0	15,191	51	30.0
	Belgium	58	...	...	1,022	...	...
	United Kingdom	83	...	...	826	8	16.4
	France	76	...	...	301	...	...
	Germany	...	...	...	147	...	...
Lighter than 18 gauge	United States	176	...	...	1,296	5	46.9
	United Kingdom	17	...	...	92	...	...
	Belgium	317	...	...	663	...	...
	France	47	...	...	47	...	...
For cold rolling	United States	293	...	...	2,324	...	...
	United Kingdom	...	...	...	13	...	...
Painted	United States	111	...	...	2,800	...	...
	United Kingdom	...	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc.							
	United States	23	...	...	1,068	30	...
For saws	United States	16	72	...	255	444	...
	United Kingdom	...	...	...	3	7	...
	Sweden	...	...	...	18	...	...
For motor vehicles	United States	1,441	...	...	17,177	...	...
	Belgium	...	...	...	20	...	...
For hoops	United States	156	...	...	2,206	...	...
	United Kingdom	169	...	...	880	...	...
	Belgium	227	...	...	1,582	...	...
	Sweden	...	...	...	6	...	...
For tubes	United States	232	...	...	1,560	4	...
	Belgium	...	...	...	619	...	...
For tubular products	United States	60	...	...	131	...	...
Silicon .075 or more	United States	...	...	...	...	1,805	...
Cold rolled -							
18 gauge and heavier	United States	237	106	24.4	4,867	218	421.6
	United Kingdom	54	...	.6	530	1	1.9
	Sweden	...	...	...	21	...	6.6
	Germany	...	...	...	6	...	...
	Belgium	...	...	...	98	...	...
Lighter than 18 gauge	United States	481	172	159.8	5,747	323	1,550.7
	United Kingdom	32	11	10.1	426	18	10.1
	Sweden	2	...	...	475	72	...
	France	...	...	...	107	...	...
	Belgium	...	...	...	25	4	...
	Germany	...	...	...	238	...	...
	United States	952	...	...	5,623	...	...
Painted	Germany	23	...	...	69	...	...
	United Kingdom	...	...	...	7	...	...
	For shoe and corset laces, buckles, ball bearings, etc.						
	United States	4	...	...	508	...	...
	United Kingdom	...	...	...	117	...	...
For saws	United States	4	57	...	104	266	...
	United Kingdom	...	...	...	2	...	...
	Sweden	1	4	88	...
For tubes	United States	301	4,279
	France	271
	Germany	48
	Belgium	329

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Table 14 - Imports of Primary Forms of Iron and Steel, November and Year to Date, 1951 (continued)

		November			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)							
Strip - (concluded)							
Cold rolled -							
For tubular products	United States	78	...	...	1,994	...	.6
For butt hinges	United States	256	...	...	1,523	...	...
	United Kingdom	59	...	...	85	...	...
Silicon .075 or more	United States	...	...	...	...	50	...
For hoops	United States	...	...	...	64	...	...
	United Kingdom	...	...	...	7	...	...
Galvanized strip	United States	618	...	...	4,968	...	...
	United Kingdom	...	...	...	485	...	...
	Germany	...	...	...	110	...	...
Skelp -							
15 $\frac{3}{8}$ " in width	United States	10,583	...	...	96,770	...	...
	France	...	...	...	3,343	...	...
	Belgium	...	...	...	11,946	...	...
	United Kingdom	540	...	...	19,329	...	...
Over 15 $\frac{3}{8}$ " in width	United States	343	...	...	1,361	...	...
	Germany	...	...	...	411	...	...
Plate, for pipe	United States	...	...	...	2,774	...	...
Pipes and tubes -							
Cast	United States	26	...	...	830	...	...
	United Kingdom	1,692	...	...	14,782	...	...
	Germany	...	...	...	2,845	...	...
	Sweden	...	...	...	231	...	...
Bedstead	United States	31	...	...	342	...	.2
	France	...	...	...	22	...	...
	United Kingdom	...	...	...	42	...	...
	Belgium	...	...	...	11	...	...
	Denmark	9	...	...	9	...	...
Repair of pressure parts of boilers - Hot finished	United States	463	...	...	3,854	80	.1
	United Kingdom	...	...	...	2,143	...	...
	Sweden	...	...	...	86	...	...
	France	...	...	...	267	...	...
Cold drawn	United States	118	...	...	870	94	21.5
	United Kingdom	1,696	...	...	2,866	2	38.0
	Sweden	...	...	...	20	46	1.7
Welded	United States	...	...	...	722	73	2.9
	United Kingdom	80	...	...	80	...	.6
Seamless, 12" and under in diameter - Cold drawn	United States	496	141	16.5	5,392	919	154.1
	Sweden	1	...	...	588	...	...
	United Kingdom	437	...	35.9	2,359	95	203.8
	Germany	19	...	...	19	...	...
Hot finished	United States	496	49	3.6	6,362	1,326	12.3
	United Kingdom	443	...	3.6	5,250	2	3.6
	Czechoslovakia	...	...	...	1	...	...
	Germany	...	...	...	43	...	...
	France	...	...	...	325	...	...
	Sweden	...	...	...	...	27	...
Seamless, over 12" in diameter - Hot finished	United States	173	...	...	2,962	5	...
	United Kingdom	3,866	...	...	16,847	...	...
Welded, 4" and under in diameter	United States	422	1	4.4	6,826	103	37.5
	United Kingdom	1,015	...	...	7,219	...	1.6
	Belgium	...	...	...	755	...	...
	Czechoslovakia	...	...	...	43	...	...
	Holland	...	...	...	1,143	...	...
	Germany	...	...	...	26	...	...
	France	...	...	...	130	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, November and Year to Date, 1951 (continued)

Commodity	Country of origin	N o v e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes -							
Welded, over 4" in diameter	United States	217	...	...	2,689	...	.6
	United Kingdom	19	...	...	2,010	...	...
	Germany	...	...	...	80	...	...
	Belgium	...	...	...	27	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	123	...	...	430	...	...
Spiral welded	United States	273	...	...	2,574	...	...
Casings	United States	3,328	...	...	54,105	...	...
	United Kingdom	390	...	...	7,498	...	...
	Germany	125	...	...	2,316	...	...
	Netherlands	...	...	...	35	...	...
	Belgium	...	...	...	2,071	...	...
	France	...	...	...	514	...	...
Fittings and couplings	United States	259	...	1.5	4,192	...	39.8
	United Kingdom	62	...	...	537	...	...
	Germany	...	...	...	58	...	...
Wire rope	United States	75	...	.5	695	...	37.1
	United Kingdom	383	...	...	1,512	...	...
	Belgium	...	...	...	1	...	...
	Germany	...	...	...	219	...	...
	Holland	...	...	...	8	...	...
	France	2	...	...	2	...	...
Wire for rope	United States	1,256	...	2.2	8,387	...	3.0
	United Kingdom	706	...	...	7,930	...	...
	Norway	...	...	...	30	...	...
	Belgium	67	...	...	256	...	...
	Germany	23	...	...	61	...	...
Wire - For fencing, galvanized	United States	...	...	...	32	...	...
For corset laces,steels,etc.	United States	18	...	...	153	...	...
	United Kingdom	...	...	...	31	...	...
For spring mattresses, etc.	United States	703	...	...	4,666	...	...
	United Kingdom	12	...	...	132	...	...
	Czechoslovakia	...	...	...	100	...	...
	Belgium	...	...	...	36	...	...
	Germany	...	...	...	43	...	...
Wire cloth and netting	United States	133	...	.4	1,467	...	.9
	United Kingdom	92	...	...	485	...	...
	Germany	...	...	...	39	...	.3
Wire,coated	United States	267	...	...	2,160	...	...
	United Kingdom	169	...	...	347	...	...
	France	...	...	...	106	...	...
	Germany	...	...	...	2	...	...
Wire, all other	United States	893	11	1.8	7,840	182	60.3
	United Kingdom	37	...	...	371	4	17.6
	Germany	161	...	...	623	3	...
	France	...	...	...	92	...	...
	Sweden	1	...	...	48	3	.2
	Belgium	331	...	...	605	...	...
Wire rods, not over 3/8" in diameter	United States	380	...	...	1,366	...	...
	France	...	...	...	1,784	...	...
	Belgium	...	...	...	1,620	...	...
	Germany	388	...	...	1,940	...	...
	United Kingdom	6	...	...	429	...	...
	Sweden	...	...	...	223	...	...
Welding wire and welding rods	United States	3	2	6.5	874	186	137.6
	United Kingdom	...	...	...	...	1	36.5

Table 14 - Imports of Primary Forms of Iron and Steel, November and Year to Date, 1951 (concluded)

Commodity	Country of origin	November			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Castings -							
For agricultural implements	United States	279	56	...	2,852	56	...
	United Kingdom	...	...	...	15	...	...
For ingot moulds	United States	2,255	...	...	22,243	...	...
	United Kingdom	722	...	...	1,361	...	...
Malleable	United States	16	...	...	690	...	...
Non-malleable	United States	79	...	...	1,160	...	...
	United Kingdom	35	...	...	50	...	...
Steel	United States	83	3	...	675	182	...
	Norway	11	...	...	45	...	...
	United Kingdom	...	...	...	29	...	...
For railway vehicles	United States	1	...	...	398	...	...
	France	...	...	...	696	...	...
Rolls	United States	226	32	...	2,491	624	...
	United Kingdom	193	33	...	203	55	...
Piston rings (rough)	United States	8	...	...	432	...	...
Forgings							
	United States	61	...	...	1,751	891	12.0
	United Kingdom	253	32	...	1,384	488	...
	Germany	...	...	...	39	...	...
Wheels -							
For railway rolling stock	United States	249	...	...	1,224	...	...
	United Kingdom	3,550	...	...	10,182	...	...
Tires -							
For railway rolling stock	United States	22	...	...	1,229	...	...
	United Kingdom	2,257	...	...	10,942	19	...
Rails -							
60 lb. and under	United States	238	...	...	1,046	...	...
	Belgium	244	...	...	1,439	...	...
	France	...	...	...	67	...	...
	Germany	...	...	...	440	...	...
	United Kingdom	80	...	...	80	...	...
Over 60 lb. and including 100 lb.	United States	101	...	...	3,513	...	...
	United Kingdom	...	...	...	4,719	...	...
	Belgium	...	...	...	23	...	...
Over 100 lb.	United States	...	...	...	105	...	...
	United Kingdom	...	...	...	91	...	...
Axles - for railway vehicles							
	United States	...	...	...	78	...	...
	United Kingdom	215	...	...	334	...	...
Track material - Angles, bars, tie plates, rail joints							
	United States	...	...	...	1,769	...	...
	Belgium	10	...	...	544	...	...
	France	...	...	...	2	...	...
	United Kingdom	212	...	...	1,049	...	...
	Germany	...	...	...	24	...	...
Intersections, switches, frogs	United States	397	...	...	609	...	...
	Germany	...	...	...	1	...	...
Total Imports							
	United States	95,976	4,294	705.8	941,122	41,642	7,730.3
	All other	65,038	333	173.2	570,860	4,701	1,173.9
TOTAL							
		161,014	4,627	879.0	1,511,982	46,343	8,904.2

Table 15 - Exports of Primary Iron and Steel, November and Year to Date, 1951

	November	Year to date
	(Tons of 2,000 pounds)	
Pig iron	27,462	188,496
Ingots, blooms and billets	5,435	34,604
Bars	1,422	11,441
Rods	2	336
Plates, sheets and strips	1,630	25,982
Rails .....	...	...
Structural shapes	203	2,908
Pipe and tubing - Wrought iron	60	3,634
Cast iron	24	802
Galvanized .....	...	1,625
Other	7	1,382
Castings, iron and steel	1,441	17,525
Forgings	1,374	5,902
TOTAL	39,060	294,637





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PRIMARY IRON AND STEELDECEMBER - 1951

Pig Iron - Production of pig iron in Canada amounted to 220,537 tons in December compared with 198,169 tons in the corresponding month of last year. The total for the current month included 177,276 tons of basic iron, 11,613 tons of foundry iron and 31,648 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in December amounted to 20,675 tons compared with 22,271 tons in the previous month and with 15,341 tons in December of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during December totalled 296,545 tons compared with 291,242 tons in December of last year. Output in the month under review included 286,755 tons of ingots and 9,790 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During December, 1950 and 1951

	December - 1950		December - 1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	149,387	5,037	177,276	19,706
Foundry	20,916	20,566	11,613	12,266
Malleable	27,866	27,866	31,648	30,993
Total Pig Iron	198,169	53,469	220,537	62,965
<u>Ferro-alloys -</u>	15,341	(x)	20,675	(x)
(*) Includes amounts for sale and for own use.	(x) Not recorded.			

Table 2 - Cumulative Production and Sales for the Twelve Months Ended December, 1950 and 1951

	1950		1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage sold
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	1,763,440	89,562	1,988,691	170,166
Foundry	230,874	226,795	285,395	278,191
Malleable	315,418	314,054	278,564	279,177
Total Pig Iron	2,309,732	630,411	2,552,650	727,534
<u>Ferro-alloys -</u>	174,186(+)	(x)	250,930	(x)
(x) Not recorded. (+) Revised. (*) Includes amounts for sale and for own use.				

Table 3 - Iron Blast Furnace Charges During December, 1950 and 1951 and Twelve Months Ended December, 1951

	December 1950	December 1951	Twelve months ended December, 1951
	(Net tons of 2,000 pounds)		
Iron ore	345,877	398,868	4,434,390
Mill cinder, scale, sinter, etc.	41,461	39,009	523,631
Limestone	74,092	87,602	957,034
Dolomite	12,506	17,194	171,996
Coke	185,620	210,555	2,376,298
Scrap iron and steel	6,939	4,408	71,235

Table 4 - Iron Blast Furnaces

Name of Company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd. ..	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		15	3,025,000

Table 5 - Description of Iron Blast Furnaces at End of December, 1951

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	14	2,889,950	95.5
Banked .....	...	...	...
Blown out	1	135,050	4.5
Total	15	3,025,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During December, 1950 and 1951

	December, 1950		December, 1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	241,364	14,284	245,094	14,560
Electric	40,110	3,571	41,661	6,713
Total Steel Ingots	281,474	17,855	286,755	21,273
Alloy steel ingots included in above	15,147	...	18,786	44
<u>Steel castings</u>				
Open hearth - basic	2,887	2,746	3,014	2,664
Converter	19	19	6	45
Electric	6,862	5,648	6,770	5,753
Total Steel Castings	9,768	8,413	9,790	8,462
Alloy steel castings included in above:-				
(a) High alloy, except manganese and abrasion resistant			127	101
(b) High alloy, manganese and abrasion resistant)	1,805	1,148	1,024	975
(c) All other alloys			438	191

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Twelve Months Ended December, 1950 and 1951

	1950		1951	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	2,771,839	156,418	2,917,874	130,140
Electric	526,229	74,023	528,251	61,756
Total Steel Ingots	3,298,068	230,441	3,446,125	191,896
Alloy steel ingots included in above	192,025	...	204,691	5,464
<u>Steel castings</u>				
Open hearth - basic	22,538	20,535	31,483	28,071
Converter	201	186	276	239
Electric	63,324	49,572	89,477	70,922
Total Steel Castings	86,063	70,293	121,236	99,232
Alloy steel castings included in above (x)	18,795	11,564	23,689	15,291

(*) Includes amounts for sale and for own use.

(x) Breakdown not available for full period.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During December, 1950 and 1951, and Twelve Months Ended December, 1951

	December 1950	December 1951	Twelve months ended December, 1951
	(Net tons of 2,000 pounds)		
Pig iron	145,571	159,106	1,838,273
Scrap - Own make	82,942	79,905	987,233
Purchased	87,687	86,580	1,059,193

Table 9 - Steel Furnace Capacity at End of December, 1951

	Annual Capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings.	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1950 and 1951

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1950</u>					
January	190,432	9,961	283,894	6,055	289,949
February	157,200	9,652	251,890	6,233	258,123
March	174,944	12,652(*)	287,719	6,584	294,303
April	185,259	11,743(*)	272,936	6,384	279,320
May	195,893	12,707	283,810	7,096	290,906
June	198,462	15,350	269,816	6,607	276,423
July	194,016	16,118	259,025	5,165	264,190
August	201,830	19,018	275,099	6,213	281,312
September	199,415	17,765	266,997	7,950	274,947
October	205,811	16,959	285,654	8,274	293,928
November	208,301	16,920	279,754	9,734	289,488
December	198,169	15,341	281,474	9,768	291,242
Total	2,309,732	174,186(*)	3,298,068	86,063	3,384,131
<u>1951</u>					
January	201,086	19,062	299,410	10,243	309,653
February	193,227	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
October	224,511	25,777	298,159	11,255	309,414
November	223,467	22,271	295,485	11,590	307,075
December	220,537	20,675	286,755	9,790	296,545
Total	2,552,650	250,930	3,446,125	121,236	3,567,361

(*) Revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 247,559 net tons in December, 1951 compared with 250,255 tons in December, 1950. The December shipments included 2,819 tons of semi-finished shapes, 17,021 tons of structurals, 16,614 tons of plates, 21,452 tons of rails, 6,640 tons of tie plates and track material, 48,382 tons of hot rolled bars, 17,206 tons of pipes and tubes, 27,167 tons of wire rods, 18,758 tons of black sheets, 9,274 tons of galvanized sheets, 10,068 tons of castings, and 46,713 tons of other rolled products. The amount of producers' interchange was 137,652 tons in December, 1951 as against 107,222 tons in December, 1950.

Of the amounts shipped for sale during December, 52,273 tons went direct to railways and railway car shops; 11,718 tons went to pressing, forming and stamping plants; 34,235 tons to merchant trade products; 28,741 tons to building construction; 25,907 tons to the containers industry; 12,395 tons to agricultural equipment; 15,727 tons to the automotive industry; 15,067 tons to machinery plants; 2,678 tons to shipbuilding; 8,418 tons to mining, lumbering, etc., and 11,466 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 22,841 tons, and exports for 6,093 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 137,652 tons in December, 1951.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, December, 1951

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	7,681	4,955	2,900
Other semi-finished shapes, not for re-rolling by makers	46,952	2,819	40,018
Structural shapes and piling	16,542	17,021	...
Plates	17,681	16,558	...
Rails	17,707	21,452	...
Tie plates and track material: Splice bars ....	...	21	...
Tie plates	5,996	5,247	...
Spikes	1,352	1,372	...
Concrete reinforcing bars	11,489	10,715	...
Hot rolled bars for cold finishing	192	...	172
Other hot rolled bars	47,073	39,240	7,662
Pipes and tubes	15,587	17,206	...
Wire rods	25,017	27,109	131
Hot rolled black sheets	60,821	5,288	54,764
Cold reduced black sheets	19,777	13,470	6,953
Galvanized sheets	9,101	9,274	...
Steel castings	8,197	8,489	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	51,465	34,811	24,726
Total - Carbon Steel	362,630	235,047	137,326
<u>Alloy Steel</u>			
Billets, etc., for forging	581	490	...
Other semi-finished shapes, not for re-rolling by makers	326	...	326
Structural shapes and piling .....	...	...	...
Plates	144	56	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	8,724	9,142	...
Pipes and tubes .....	...	...	...
Wire rods	58	58	...
Steel castings	1,880	1,579	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	1,524	1,187	...
Total - Alloy Steel	13,237	12,512	326

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Primary Iron and Steel

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Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Twelve Months Ended
December, 1951

December, 1971

	P r o d u c t i o n (Including producers' interchange)	S h i p m e n t s For Producers' sale interchange	
		(Tons of 2,000 pounds)	
<u>Carbon Steel</u>			
Billets, etc., for forging	108,007	61,339	49,715
Other semi-finished shapes, not for re-rolling by makers	516,114	33,127	489,334
Structural shapes and piling	215,356	194,273	8
Plates	195,195	194,386	...
Rails	257,244	255,512	...
Tie plates and track material - Splice bars ...	18,655(*)	17,631(*)	...
Tie plates	67,587(*)	66,636(*)	...
Spikes	16,049	16,353	...
Concrete reinforcing bars	148,226	146,078	...
Hot rolled bars for cold finishing	8,668	...	8,726
Other hot rolled bars	536,267	454,479	98,986
Pipes and tubes	248,716	260,547	14
Wire rods	317,310	317,230	712
Hot rolled black sheets	822,537	188,403	630,633
Cold reduced black sheets	227,409	162,199	63,188
Galvanized sheets	112,587	113,393	239
Steel castings	97,519	94,453	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	729,876	394,732	333,726
Total - Carbon Steel	4,643,322	2,971,371	1,675,281

<u>Alloy Steel</u>			
Billets, etc., for forging	15,759	15,405	924
Other semi-finished shapes, not for re-rolling by makers	4,421	...	4,430
Structural shapes and piling .....	...	...	...
Plates	2,240	2,265	...
Hot rolled bars for cold finishing	82	...	65
Other hot rolled bars	95,998	95,645	170
Pipes and tubes .....	...	...	...
Wire rods	936	967	...
Steel castings	24,779	22,817	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	13,283	12,537	...
Total - Alloy Steel	157,498	149,636	5,589

(*) Revised.

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal
Consuming Industries, December and Year to Date, 1951

	D e c e m b e r		Y e a r t o d a t e	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	9,244	6,483	170,154	79,940
Agricultural, including farm machinery .	12,044	351	143,664	4,124
Building construction	28,691	50	383,661	1,076
Containers industry	25,861	46	301,383	155
Machinery and tools	13,954	1,113	153,747	12,710
Merchant trade products	33,768	467	407,328	4,917
Mining, lumbering, etc.	7,294	1,124	118,935	13,440
National defence	7,857	514	46,112	7,158
Pressing, forming and stamping	11,582	136	176,197	2,561
Public works and utilities	2,108	30	27,207	464
Railway operating	34,684	211	415,004	3,229
Railway cars and locomotives	17,276	102	188,567	2,269

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, December and Year to Date, 1951 (Concluded)

	D e c e m b e r		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Shipbuilding	2,572	106	39,250	1,081
Miscellaneous and unclassified	706	251	16,751	3,034
Wholesalers and warehouses	22,676	165	323,693	2,685
Direct export (a) to British Empire	493	953	5,208	3,408
(b) to other countries ...	4,237	410	54,510	7,385
Total Shipped for Sale	235,047	12,512	2,971,371	149,636
Producers' interchange	137,326	326	1,675,281	5,589

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1971							
Commodity	Country of origin	D e c e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	166	...	...	1,786	...	...
	Germany	...	...	...	1,471	...	...
Foundry	United States	56	...	...	56	...	...
	Germany	...	...	...	10,079	...	...
Malleable	United States	...	...	...	341	...	...
	United Kingdom	...	...	...	169	...	...
Special	United States	...	...	...	542	...	...
	Holland	...	...	...	110	...	...
Ingots	United States	9,488	...	...	89,615	156	...
	Germany	...	...	...	112	...	...
Billets, blooms, slabs and sheet bars .	United States	...	4	...	550	592	...
	United Kingdom	...	...	...	...	10	...
	Germany	...	...	...	545	...	...
Tube rounds and tube billets	United States	119	1	3.5	4,096	1	3.5
Bars and sections -							
Hot rolled, n.o.p.	United States	5,443	12	16.7	48,666	3,882	271.6
	United Kingdom	171	1	.6	10,636	887	60.5
	Belgium	2,304	...	...	32,126	...	...
	France	1,471	...	...	18,324	...	...
	Japan	660	...	...	1,520	...	...
	Germany	921	...	...	14,899	5	...
	Sweden	...	...	...	43	10	...
	Austria	...	...	...	465	...	...
Hot rolled -							
For agricultural implements	United States	5,589	...	...	21,414	633	...
	United Kingdom	6	...	...	279	...	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4" ..	United States	28	4	...	646	110	...
	United Kingdom	1	...	...	397	58	.5
Angles, channels, etc.	United States	415	1	.6	6,053	129	47.0
	Belgium	582	...	...	11,363	...	...
	United Kingdom	...	...	...	6,873	...	.8
	France	225	...	...	3,409	...	...
	Germany	...	...	...	889	...	...
Structurals (bar sizes) for agri- cultural implements	United States	890	...	...	6,606	...	2.2
	United Kingdom	27	...	...	857	...	...
	France	...	...	...	152	...	...
Sash or casement sections	United States	292	3,588
	Belgium	512
	United Kingdom	97
	Germany	27

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951 (Continued)

Commodity	Country of origin	D e c e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (concluded)							
Cold rolled, n.o.p.	United States	51	10	.1	4,362	259	50.3
	United Kingdom	460	1	.3	3,745	112	17.6
	Belgium	25	...	...	371	...	...
	Sweden	...	...	...	200	33	...
	Germany	...	...	1.9	1,115	...	1.9
France	77	...	...	782	...	...
Cold rolled, for agricultural implements	United States	283	...	...	5,054	49	4.0
	United Kingdom	5	...	...	273	16	...
	France	385	...	...	385	...	...
Tool steel	United States	31	60	...	387	1,319	...
	United Kingdom	2	40	...	651	979	...
	Sweden	...	...	...	...	6	...
Structurals	United States	17,462	...	...	184,836	6	1.3
	United Kingdom	1,712	7	...	30,039	18	...
	Belgium	4,062	...	...	69,446	...	...
	France	1,124	...	...	11,325	...	...
	Germany	644	...	...	1,446	...	...
Plates -							
78" and under in width	United States	5,662	10	62.3	55,703	171	640.6
	United Kingdom	1,260	...	...	34,754	13	108.5
	France	342	...	...	13,656	...	106.6
	Germany	1,736	...	...	10,673	...	...
	Japan	1,464	...	...	5,627	...	...
	Belgium	201	...	...	13,295	...	56.1
	Austria	11	...	...	94	...	...
	Germany	...	...	...	576	...	...
Over 78" and under 100" in width	United States	5,597	...	...	25,908	34	51.1
	United Kingdom	917	...	...	26,892	...	28.7
	Belgium	...	...	...	327	...	...
	France	...	...	...	244	...	...
	Austria	...	...	...	44	...	...
	Germany	...	...	...	576	...	...
	United States	373	...	...	5,254	19	4.5
	United Kingdom	4	...	...	1,068	...	1.2
100" in width and over	Belgium	...	...	...	542	...	...
	Germany	...	...	...	285	...	...
	United States	214	...	...	2,588	...	26.3
	United Kingdom	...	...	...	813	...	...
	United States	326	...	...	4,565	...	36.2
Boiler, pulp-mill digesters	United Kingdom	68	...	...	2,151	...	...
	Belgium	...	...	...	21	...	...
	France	...	...	...	27	...	...
	Japan	27	...	...	27	...	...
	United States	461	...	...	5,473	...	...
Chequered or surface pattern	United Kingdom	...	...	...	1,060	...	...
	United States	...	...	...	2	...	...
Painted							
Sheets -							
Silicon .075 or more	United States	...	2,024	...	...	26,662	...
	United Kingdom	...	81	...	...	1,457	...
Galvanized	United States	1,477	...	...	11,752	...	...
	United Kingdom	190	...	...	4,366	...	...
	France	22	...	...	332	...	...
	Germany	...	...	...	63	...	...
	Belgium	...	...	...	270	...	...
Hot rolled -							
18 gauge and heavier	United States	6,432	39	92.3	79,614	485	770.4
	Germany	445	...	...	9,792	45	5.9
	Belgium	91	...	...	15,745	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951 (Continued)

Commodity	Country of origin	D e c e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (Concluded)							
Hot rolled - (concluded)							
18 gauge and heavier	United Kingdom	513	...	...	9,011	77	206.3
	France	298	...	...	7,397	...	...
	Sweden	66	...	...	221	...	...
	Japan	220	...	...	1,255	...	...
Lighter than 18 gauge	United States	625	5	37.9	6,238	135	252.5
	United Kingdom	31	...	...	1,912	3	22.9
	Belgium	...	...	...	2,504	...	...
	France	...	...	...	1,638	...	...
	Japan	...	...	...	572	...	...
	Germany	...	...	...	905	...	...
For hollow ware (vitreous enamel)	United States	96	...	...	2,850	...	...
	United Kingdom	...	...	...	33	...	...
	Belgium	...	...	...	55	...	...
	France	...	...	...	1,161	...	...
	Germany	...	...	...	426	...	...
Corrugated	United States	685	...	...	4,432	...	...
	United Kingdom	...	...	...	242	...	...
Coated with paint, tar, asphaltum, etc.	United States	42	...	...	790	...	...
	Germany	...	...	...	46	...	...
For saws	United States	...	73	...	228	1,121	...
	United Kingdom	...	4	...	5	123	...
For cold rolled strip	United States	...	...	...	153	...	...
For tubes	United States	196	...	...	1,516	...	...
Cold rolled -							
18 gauge and heavier	United States	1,283	...	69.7	19,035	26	1,303.2
	United Kingdom	94	...	...	3,970	26	128.8
	Belgium	31	...	...	287	4	...
	Italy	...	...	...	827	...	...
	Germany	8	...	...	831	...	...
	France	...	...	...	304	...	...
Lighter than 18 gauge	United States	2,540	25	124.1	38,435	86	2,103.1
	United Kingdom	77	...	3.7	3,367	1	95.2
	Sweden	...	...	...	1	...	...
	France	...	...	...	297	...	...
	Belgium	...	...	...	2,591	...	...
	Germany	...	...	...	329	...	...
For hollow ware (vitreous enamel)	United States	320	...	...	10,158	...	...
	United Kingdom	...	...	...	2,421	...	...
	France	...	...	...	175	...	...
	Belgium	...	...	...	649	...	...
	Germany	...	...	...	474	...	...
Black plate - Tin mill	United States	7	...	...	741	...	...
	United Kingdom	...	...	...	76	...	...
Coated with paint, tar, asphaltum, etc.	United States	97	...	...	695	...	...
	United Kingdom	...	...	...	83	...	...
	Sweden	...	...	...	25	...	...
	Germany	...	...	...	45	...	...
For heating apparatus	United States	40	...	...	938	...	...
For saws	United States	1	4	...	88	122	...
	Sweden	...	...	...	1	9	...
For tubes	United States	472	...	...	7,530	...	...
Tin plate - Primes							
	United States	159	...	...	433	...	...
	United Kingdom	8	...	...	720	...	...
Seconds	United Kingdom	...	...	...	20	...	...
Electrolytic 25#	United States	...	...	...	404	...	...
Terne plate - Long							
	United States	290	...	...	5,398	...	...
	United Kingdom	108
Short	United States	63	2,729
	United Kingdom	121

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951 (Continued)

Commodity	Country of origin	D e c e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip -							
Hot rolled -							
18 gauge and heavier	United States	776	2	...	15,967	53	30.0
	United Kingdom	...	...	.1	826	8	16.5
	Belgium	67	...	...	1,089	...	...
	France	...	...	...	301	...	...
	Germany	...	...	...	147	...	...
Lighter than 18 gauge	United States	192	5	13.3	1,488	10	60.2
	United Kingdom	...	...	.1	92	...	.1
	Belgium	202	...	...	865	...	...
	France	...	...	...	47	...	...
For cold rolling	United States	115	...	...	2,439	...	...
	United Kingdom	...	...	...	13	...	...
Painted	United States	...	...	...	2,800	...	...
	United Kingdom	...	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	72	...	...	1,140	30	...
For saws	United States	10	10	...	265	454	...
	United Kingdom	...	...	...	3	7	...
	Sweden	...	...	...	18	...	...
For motor vehicles	United States	1,410	...	...	18,587	...	...
	Belgium	...	...	...	20	...	...
For hoops	United States	27	...	...	2,233	...	...
	United Kingdom	...	...	...	880	...	...
	Belgium	...	...	...	1,582	...	...
	Sweden	...	...	...	6	...	...
For tubes	United States	91	2	...	1,651	6	...
	Belgium	...	...	...	619	...	...
For tubular products	United States	34	...	...	165	...	...
Silicon .075 or more	United States	...	...	...	...	1,805	...
Cold rolled -							
18 gauge and heavier	United States	124	2	24.2	4,991	220	445.8
	United Kingdom	...	...	...	530	1	1.9
	Sweden	...	...	...	21	...	6.6
	Germany	...	...	...	6	...	...
	Belgium	...	...	...	98	...	...
Lighter than 18 gauge	United States	176	22	65.6	5,923	345	1,616.3
	Sweden	20	...	...	495	72	...
	United Kingdom	14	...	1.1	440	18	11.2
	France	...	...	...	107	...	...
	Belgium	...	...	...	25	4	...
	Germany	...	...	...	238	...	...
Painted	United States	613	...	...	6,236	...	...
	Germany	...	...	...	69	...	...
	United Kingdom	...	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	24	...	...	532	...	...
	United Kingdom	...	...	...	117	...	...
For saws	United States	3	58	...	107	324	...
	Sweden	...	5	...	4	93	...
	United Kingdom	...	...	...	2	...	...
For tubes	United States	301	...	...	4,580	...	...
	France	...	...	...	271	...	...
	Germany	...	...	...	48	...	...
	Belgium	...	...	...	329	...	...
For tubular products	United States	104	...	...	2,098	...	.6
For butt hinges	United States	172	...	...	1,695	...	...
	United Kingdom	...	...	...	85	...	...
Silicon .075 or more	United States	...	...	...	...	50	...
For hoops	United States	22	...	...	86	...	...
	United Kingdom	...	...	...	7	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951 (Continued)

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951 (Continued)							
Commodity	Country of origin	D e c e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip - (concluded)							
Galvanized strip	United States	3,602	...	...	8,570	...	...
	United Kingdom	12	...	...	497	...	...
	Germany	...	...	...	110	...	...
Skelp -							
15 ³ / ₈ " in width	United States	3,249	...	...	100,019	...	...
	France	...	...	...	3,343	...	...
	Belgium	...	...	...	11,946	...	...
	United Kingdom	1,357	...	...	20,686	...	...
	Germany	110	...	...	110	...	...
Over 15 ³ / ₈ " in width	United States	209	...	...	1,570	...	...
	Germany	...	...	...	411	...	...
Plate	United States	172	...	...	2,946	...	...
Pipes and tubes -							
Cast	United States	58	...	...	888	...	...
	United Kingdom	1,045	...	...	15,827	...	...
	Germany	...	...	...	2,845	...	...
	Sweden	...	...	...	291	...	...
Bedstead	United States	2	...	...	344	...	.2
	France	...	...	...	22	...	...
	United Kingdom	...	...	...	42	...	...
	Belgium	...	...	...	11	...	...
	Denmark	...	...	...	9	...	...
	Sweden	120	...	...	120	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	353	8	...	4,207	88	.1
	United Kingdom	177	...	...	2,320	...	...
	Sweden	...	...	...	86	...	...
	France	...	...	...	267	...	...
Cold drawn	United States	245	...	...	1,115	94	21.5
	United Kingdom	62	...	...	2,928	2	38.0
	Sweden	...	...	...	20	46	1.7
Welded	United States	70	...	...	792	73	2.9
	United Kingdom	59	...	...	139	...	.6
Seamless, 12" and under in diameter -							
Cold drawn	United States	365	130	9.1	5,757	1,049	163.2
	United Kingdom	177	2	6.9	2,536	97	210.7
	Sweden	10	33	...	598	33	...
	Germany	...	...	...	19	...	...
Hot finished	United States	575	120	.4	6,937	1,446	12.7
	United Kingdom	109	...	...	5,359	2	3.6
	Czechoslovakia	...	...	...	1	...	...
	Germany	146	...	...	189	...	...
	France	...	...	...	325	...	...
	Sweden	...	...	...	...	27	...
Seamless, over 12" in diameter -							
Hot finished	United States	25	...	...	2,987	5	...
	United Kingdom	...	...	...	16,847	...	...
Welded, 4" and under in diameter	United States	233	...	3.0	7,059	103	40.5
	United Kingdom	219	...	...	7,438	...	1.6
	Belgium	...	...	...	755	...	...
	Czechoslovakia	...	...	...	43	...	...
	Holland	...	...	...	1,143	...	...
	Germany	...	...	...	26	...	...
	France	...	...	...	130	...	...
Welded, over 4" in diameter	United States	344	...	...	3,033	...	.6
	United Kingdom	...	...	...	2,010	...	...
	Germany	...	...	...	80	...	...
	Belgium	...	...	...	27	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951 (Continued)

Commodity	Country of origin	D e c e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes - (concluded)							
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	44	...	...	474	...	...
Spiral welded	United States	102	...	...	2,676	...	...
Casings	United States	3,697	...	...	57,802	...	...
	United Kingdom	30	...	...	7,528	...	...
	Germany	...	...	...	2,316	...	...
	Netherlands	...	...	...	35	...	...
	Belgium	...	...	...	2,071	...	...
	France	...	...	...	514	...	...
	Italy	57	...	...	57	...	...
Fittings and couplings	United States	245	...	2.0	4,437	...	41.8
	United Kingdom	3	...	...	540	...	...
	Germany	...	...	...	58	...	...
Wire rope	United States	36	...	.2	731	...	37.3
	United Kingdom	33	...	...	1,545	...	...
	Belgium	...	...	...	1	...	...
	Germany	...	...	...	219	...	...
	Holland	...	...	...	8	...	...
	France	...	...	...	2	...	...
Wire for rope	United States	326	...	...	8,713	...	3.0
	United Kingdom	289	...	...	8,219	...	...
	Norway	...	...	...	30	...	...
	Belgium	...	...	...	256	...	...
	Germany	...	...	...	61	...	...
Wire - For fencing, galvanized	United States	...	...	...	32	...	...
For corset laces, steels, etc. .	United States	...	...	...	153	...	...
	United Kingdom	...	...	...	31	...	...
For spring mattresses, etc.	United States	171	...	...	4,837	...	...
	United Kingdom	...	...	...	132	...	...
	Czechoslovakia	...	...	...	100	...	...
	Belgium	...	...	...	36	...	...
	Germany	...	...	...	43	...	...
Wire cloth and netting	United States	69	...	...	1,536	...	.9
	United Kingdom	2	...	...	487	...	...
	Germany	...	...	...	39	...	.3
Wire, coated	United States	98	...	...	2,258	...	...
	United Kingdom	57	...	...	404	...	...
	France	...	...	...	106	...	...
	Germany	...	...	...	2	...	...
	Belgium	11	...	...	11	...	...
Wire, all other	United States	359	22	2.7	8,199	204	63.0
	United Kingdom	2	...	...	373	4	17.6
	Germany	...	...	.7	623	3	.7
	France	...	...	...	92	...	...
	Sweden	...	...	...	48	3	.2
	Belgium	50	...	...	655	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	17	...	...	1,383	...	...
	France	220	...	...	2,004	...	...
	Belgium	...	...	...	1,620	...	...
	Germany	390	...	...	2,330	...	...
	United Kingdom	...	...	...	429	...	...
	Sweden	...	...	...	223	...	...
Welding wire and welding rods	United States	166	6	.9	1,040	192	138.5
	United Kingdom	...	...	...	...	1	36.5

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951 (Concluded)

Commodity	Country of origin	D e c e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Castings -							
For agricultural implements	United States	253	...	...	3,105	56	...
	United Kingdom	...	...	...	15	...	...
For ingot moulds	United States	1,156	...	...	23,399	...	...
	United Kingdom	...	...	...	1,361	...	...
Malleable	United States	412	...	...	1,102	...	...
Non-malleable	United States	96	...	...	1,256	...	...
	United Kingdom	...	...	...	50	...	...
Steel	United States	37	...	...	712	182	...
	Norway	...	...	...	45	...	...
	United Kingdom	...	...	...	29	...	...
For railway vehicles	United States	...	...	...	398	...	...
	France	...	...	...	696	...	...
Rolls	United States	50	...	...	2,541	624	...
	United Kingdom	...	...	...	203	55	...
Piston rings (rough)	United States	8	...	...	440	...	...
Forgings	United States	110	...	...	1,861	891	12.0
	United Kingdom	86	...	...	1,470	488	...
	Germany	...	...	...	39	...	...
Wheels - For railway rolling stock	United States	22	...	...	1,246	...	...
	United Kingdom	684	...	...	10,866	...	...
Tires - For railway rolling stock	United States	...	...	...	1,229	...	...
	United Kingdom	78	...	...	11,020	19	...
Rails - 60 lb. and under	United States	22	...	...	1,068	...	...
	Belgium	34	...	...	1,473	...	...
	France	...	...	...	67	...	...
	Germany	...	...	...	440	...	...
	United Kingdom	...	...	...	80	...	...
Over 60 lb. and including 100 lb.	United States	67	...	...	3,580	...	...
	United Kingdom	...	...	...	4,719	...	...
	Belgium	...	...	...	23	...	...
Over 100 lb.	United States	...	...	...	105	...	...
	United Kingdom	...	...	...	91	...	...
Axles - For railway vehicles	United States	...	...	...	78	...	...
	United Kingdom	...	...	...	334	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	334	...	...	2,103	...	...
	Belgium	4	...	...	548	...	...
	France	...	...	...	2	...	...
	United Kingdom	...	...	...	1,049	...	...
	Germany	...	...	...	24	...	...
Intersections, switches, frogs	United States	5	...	...	614	...	...
	Germany	...	...	...	1	...	...
Total Imports	United States	89,441	2,659	528.6	1,030,563	44,301	8,258.9
	All other	28,924	174	15.4	599,784	4,875	1,189.3
TOTAL		118,365	2,833	544.0	1,630,347	49,176	9,448.2

Table 15 - Exports of Primary Iron and Steel, December and Year to Date, 1951

	December	Year to date
	(Tons of 2,000 pounds)	
Pig iron	35,139	223,635
Ingots, blooms and billets	4,434	39,038
Bars	2,288	13,729
Rods .....	...	336
Plates, sheets and strips	2,401	28,383
Rails .....	...	...
Structural shapes	383	3,291
Pipe and tubing - Wrought iron	11	3,645
Cast iron	135	937
Galvanized	54	1,679
Other	196	1,578
Castings, iron and steel	749	18,274
Forgings	1,067	6,969
Total	46,857	341,494

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7

JANUARY - 1952

Pig Iron - Production of pig iron in Canada amounted to 209,153 tons in January compared with 201,131 tons in the corresponding month of last year. The total for the current month included 162,105 tons of basic iron, 13,784 tons of foundry iron and 33,264 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in January amounted to 21,458 tons compared with 20,675 tons in the previous month and with 9,961 tons in January of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during January totalled 317,034 tons compared with 309,653 tons in January of last year. Output in the month under review included 305,721 tons of ingots and 11,313 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During January, 1951 and 1952

	January, 1951		January, 1952	
	Tonnage made(*)	Tonnage sold (Net tons of 2,000 pounds)	Tonnage made(*)	Tonnage sold
<u>Pig iron -</u>				
Basic	157,706	6,706	162,105	20,632
Foundry	30,033	29,582	13,784	14,479
Malleable	13,392	21,095	33,264	31,730
Total Pig Iron	201,131	57,383	209,153	66,841
<u>Ferro-alloys -</u>	9,961	(x)	21,458	(x)

(*) Includes amounts for sale and for own use.

(x) Not recorded.

Table 2 - Iron Blast Furnace Charges During January, 1951 and 1952

	January 1951	January 1952
	(Net tons of 2,000 pounds)	
Iron ore - Canadian	116,666	123,355
Imported	236,238	244,198
Mill cinder, scale, sinter, etc.	40,812	36,335
Limestone	75,756	87,126
Dolomite	12,688	9,771
Coke	187,040	196,695
Scrap iron and steel	5,773	5,080

Table 3 - Iron Blast Furnaces

Name of Company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd. ..	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		15	3,025,000

Table 4 - Description of Iron Blast Furnaces at End of January, 1952

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	13	2,531,950	83.7
Banked .....	...	...	...
Blown out	2	493,050	16.3
Total	15	3,025,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During January, 1951 and 1952

	January, 1951		January, 1952	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	252,627	11,439	255,088	25,530
Electric	46,783	5,609	50,633	7,754
Total Steel Ingots	299,410	17,048	305,721	33,284
Alloy steel ingots included in above	18,615	983	15,833	41
<u>Steel castings</u>				
Open hearth - basic	2,483	2,261	2,974	2,649
Converter	8	8	1	...
Electric	7,752	5,620	8,338	6,422
Total Steel Castings	10,243	7,889	11,313	9,071
Alloy steel castings included in above:-				
(a) High alloy, except manganese and abrasion resistant			91	93
(b) High alloy, manganese and abrasion resistant)	1,996	757	4,864	4,639
(c) All other alloys			247	287

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Pig Iron and Scrap Charged to Steel Furnaces During January, 1951 and 1952

	January 1951	January 1952
(Net tons of 2,000 pounds)		
Pig iron	150,761	172,572
Scrap - Own make	88,084	84,378
Purchased	93,526	89,092

Table 7 - Steel Furnace Capacity at First of January 1951

	Annual Capacity	
	(Net tons of 2,000 pounds)	
Ingots - Basic open hearth	2,948,900	
Electric	682,000	
Total Ingots	3,630,900	
Steel castings	305,200	
Total Ingots and Castings.	3,936,100	

Table 8 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 5 1</u>					
January	201,131	19,062	299,410	10,243	309,653
February	193,227	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
October	224,511	25,777	298,159	11,255	309,414
November	223,467	22,271	295,485	11,590	307,075
December	220,537	20,675	286,755	9,790	296,545
Total	2,552,696	250,930	3,446,125	121,236	3,567,361
<u>1 9 5 2</u>					
January	209,153	21,458	305,721	11,313	317,034

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 266,425 net tons in January, 1952 compared with 274,607 tons in January, 1951. The January shipments included 8,412 tons of semi-finished shapes, 11,235 tons of structurals, 21,241 tons of plates, 22,676 tons of rails, 7,685 tons of tie plates and track material, 49,417 tons of hot rolled bars, 16,573 tons of pipes and tubes, 28,179 tons of wire rods, 28,875 tons of black sheets, 10,715 tons of galvanized sheets, 11,173 tons of castings, and 45,561 tons of other rolled products. The amount of producers' interchange was 158,686 tons in January, 1952 as against 136,010 tons in January, 1951.

Of the amounts shipped for sale during January, 54,459 tons went direct to railways and railway car shops; 14,900 tons went to pressing, forming and stamping plants; 38,035 tons to merchant trade products; 34,856 tons to building construction; 21,665 tons to the containers industry; 11,599 tons to agricultural equipment; 15,471 tons to the automotive industry; 16,974 tons to machinery plants; 3,042 tons to shipbuilding; 11,241 tons to mining, lumbering, etc., and 8,536 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 23,668 tons, and exports for 11,979 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 158,686 tons in January, 1952.

Table 9 - Production and Producers' Shipments of Primary Iron and Steel Shapes, January, 1952

Table 9 - Production and Producers' Shipments of Primary Iron and Steel Shapes, January, 1922

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
Carbon Steel			
Billets, etc., for forging	7,132	3,608	3,545
Other semi-finished shapes, not for re-rolling by makers	61,007	8,412	54,570
Structural shapes and piling	11,080	11,235	...
Plates	20,623	21,188	19
Rails	26,600	22,676	...
Tie plates and track material: Splice bars	537	325	...
Tie plates	6,325	5,751	...
Spikes	1,548	1,609	...
Concrete reinforcing bars	14,399	14,367	...
Hot rolled bars for cold finishing	883	...	872
Other hot rolled bars	50,898	40,692	8,622
Pipes and tubes	16,784	16,573	...
Wire rods	29,026	28,165	66
Hot rolled black sheets	70,868	12,068	56,357
Cold reduced black sheets	22,012	16,807	5,525
Galvanized sheets	10,344	10,715	...
Steel castings	9,059	9,031	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	62,093	29,573	28,907
Total - Carbon Steel	421,218	252,795	158,483

<u>Alloy Steel</u>				
Billets, etc., for forging	1,015		1,075	...
Other semi-finished shapes, not for re-rolling by makers	203		...	203
Structural shapes and piling .....	...		...	...
Plates	118		53	...
Hot rolled bars for cold finishing .....	...		...	...
Other hot rolled bars	10,606		8,725	...
Pipes and tubes .....	...		...	...
Wire rods	25		14	...
Steel castings	2,262		2,142	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	1,840		1,621	...
Total - Alloy Steel	16,069		13,630	203

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 10 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, January, 1952

	J a n u a r y	
	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)	
Automotive industries	9,009	6,462
Agricultural, including farm machinery .	10,992	607
Building construction	34,717	139
Containers industry	21,659	6
Machinery and tools	15,935	1,039
Merchant trade products	37,819	216
Mining, lumbering, etc.	9,856	1,385
National defence	5,532	622

Table 10 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, January, 1952 (Concluded)

	J a n u a r y	
	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)	
Pressing, forming and stamping	14,783	117
Public works and utilities	1,162	42
Railway operating	37,686	214
Railway cars and locomotives	16,473	86
Shipbuilding	2,870	172
Miscellaneous and unclassified	1,017	161
Wholesalers and warehouses	23,539	129
Direct export (a) to British Empire	578	1,418
(b) to other countries ...	9,168	815
Total Shipped for Sale	252,795	13,630
Producers' interchange	158,483	203

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1952

Commodity	Country of origin	J a n u a r y		
		Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)		
Pig iron -				
Basic	United States	111	...	...
	Germany	...	...	...
Foundry	United States	...	...	...
	Germany	...	...	...
Malleable	United States	86	...	...
	United Kingdom	...	...	...
Special	United States	...	...	...
	Holland	...	...	...
Ingots	United States	7,797	...	...
	Germany	...	...	...
Billets, blooms, slabs and sheet bars ...	United States	1,297	4	...
	United Kingdom	...	2	...
	Germany	...	...	...
Tube rounds and tube billets	United States	278	...	...
	Belgium	35	...	...
Bars and sections -				
Hot rolled, n.o.p.	United States	5,712	124	40.5
	United Kingdom	832	76	...
	Belgium	9,717	...	...
	France	1,276	...	...
	Japan	992	...	...
	Germany	330	...	...
	Sweden	...	...	...
	Austria	...	...	...
Hot rolled -				
For agricultural implements	United States	3,744	...	...
	United Kingdom	204	...	...
	Belgium	219	...	...
	France	20	...	...
Rounds over 4 $\frac{1}{2}$ " , squares over 4"	United States	116	2	...
	United Kingdom	23	25	...
Angles, channels, etc.	United States	1,351	11	1.1
	Belgium	822	...	...
	United Kingdom	229	...	...
	France	645	...	...
	Germany	...	...	...
Structurals (bar sizes) for agri- cultural implements	United States	1,956
	United Kingdom
	France

Primary Iron and Steel

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Table 11 - Imports of Primary Forms of Iron and Steel, January, 1952 (Continued)

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1952 (Continued)				
Commodity	Country of origin	J a n u a r y		
		Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)				
Bars and sections - (concluded)				
Hot rolled - (concluded)				
Sash or casement sections	United States	281	...	...
	Belgium	24	...	...
	United Kingdom	...	...	...
	Germany	...	...	...
Cold rolled, n.o.p.	United States	722	13	2.0
	United Kingdom	198	...	2.2
	Belgium	242	...	...
	Sweden	44	...	...
	Germany	...	...	...
	France	603	...	...
Cold rolled, for agricultural implements	United States	412	8	...
	United Kingdom	...	...	...
	Belgium	35	...	...
Tool steel	United States	23	91	...
	United Kingdom	12	31	...
	Sweden	...	...	...
Structurals	United States	22,865	6	...
	United Kingdom	2,148	...	...
	Belgium	6,734	...	...
	France	3,613	...	...
	Germany	25	...	...
	Japan	420	...	...
Plates -				
78" and under in width	United States	11,483	54	103.3
	United Kingdom	843	...	3.5
	France	466	...	...
	Germany	2,195	...	...
	Japan	328	...	...
	Belgium	348	...	...
	Austria	...	...	...
Over 78" and under 100" in width	United States	6,172	1	6.5
	United Kingdom	928	...	...
	Belgium	75	...	...
	France	85	...	...
	Austria	...	...	...
	Germany	...	...	...
100" in width and over	United States	945	44	...
	United Kingdom	...	...	...
	Belgium	...	...	...
	Germany	...	...	...
Flanged, dished or curved	United States	261	...	...
	United Kingdom	...	...	...
Boiler, pulp-mill digesters	United States	225	...	...
	United Kingdom	75	...	...
	Belgium	...	...	...
	France	...	...	...
	Japan	...	...	...
Chequered or surface pattern	United States	850	...	...
	United Kingdom	...	...	...
Painted	United States	...	...	...
Sheets -				
Silicon .075 or more	United States	...	3,299	...
	United Kingdom	...	39	...
Galvanized	United States	1,372	...	...
	United Kingdom	165	...	...
	France	...	...	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1952 (Continued)

Commodity	Country of origin	J a n u a r y		
		Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)		
Sheets - (continued)				
Galvanized (concluded)	Germany	...	...	...
	Belgium	...	...	...
Hot rolled -				
18 gauge and heavier	United States	9,496	76	131.9
	Germany	570	...	...
	Belgium	265	...	...
	United Kingdom	134	...	38.3
	France	...	...	...
	Sweden	...	2	...
	Japan	...	...	...
Lighter than 18 gauge	United States	646	51	49.6
	United Kingdom	6	...	...
	Belgium	...	...	...
	France	...	...	...
	Japan	...	...	...
	Germany	...	...	...
For hollow ware (vitreous enamel) ...	United States	86	...	...
	United Kingdom	...	...	...
	Belgium	...	...	...
	France	...	...	...
	Germany	...	...	...
Corrugated	United States	833	...	...
	United Kingdom	29	...	...
Coated with paint, tar, asphaltum, etc.	United States	111	...	...
	Germany	...	...	...
For saws	United States	25	90	...
	United Kingdom	...	...	...
For cold rolled strip	United States	...	...	...
For tubes	United States	234	...	...
Cold rolled -				
18 gauge and heavier	United States	3,891	21	89.1
	United Kingdom	16	...	...
	Belgium	...	...	...
	Italy	...	...	...
	Germany	...	...	...
	France	...	...	...
Lighter than 18 gauge	United States	3,157	...	155.8
	United Kingdom	56	...	.4
	Sweden	...	...	...
	France	...	...	...
	Belgium	...	...	...
	Germany	...	...	...
For hollow ware (vitreous enamel) ...	United States	557	...	...
	United Kingdom	...	...	...
	France	...	...	...
	Belgium	...	...	...
	Germany	...	...	...
Black plate - Tin mill	United States	2	...	...
	United Kingdom	...	...	...
Coated with paint, tar, asphaltum, etc.	United States	62	...	...
	United Kingdom	...	...	...
	Sweden	...	...	...
	Germany	...	...	...
For heating apparatus	United States	92	...	...
For saws	United States	...	...	...
	Sweden	...	1	...
For tubes	United States	465	...	...
Tin plate - Primes	United States	...	...	...
	United Kingdom	81	...	...
- Seconds	United Kingdom	...	...	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1952 (Continued)

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1952 (Continued)		J a n u a r y		
Commodity	Country of origin	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)				
Sheets - (concluded)				
Tin plate - Electrolytic 25#	United States	26	...	...
	United Kingdom	3	...	...
Terne plate - Long	United States	450	...	...
	United Kingdom	...	...	...
Short	United States	121	...	...
	United Kingdom	...	...	...
Strip -				
Hot rolled -				
18 gauge and heavier	United States	2,482	4	2.5
	United Kingdom	41	...	...
	Belgium	46	...	...
	France	...	...	...
	Germany	...	...	...
Lighter than 18 gauge	United States	86	...	45.9
	United Kingdom	...	...	...
	Belgium	...	...	...
	France	...	...	...
For cold rolling	United States	430	...	...
	United Kingdom	...	...	...
Painted	United States	11	...	...
	United Kingdom	...	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...
For saws	United States	111	7	...
	United Kingdom	...	...	...
	Sweden	...	...	...
For motor vehicles	United States	2,285	...	...
	Belgium	...	...	...
For hoops	United States	171	...	...
	United Kingdom	...	...	...
	Belgium	...	...	...
	Sweden	...	...	...
For tubes	United States	36	...	...
	Belgium	...	...	...
For tubular products	United States	2	...	...
Silicon .075 or more	United States	...	...	...
Cold rolled -				
18 gauge and heavier	United States	504	6	132.5
	United Kingdom	...	...	...
	Sweden	1	...	...
	Germany	...	...	...
	Belgium	...	...	...
Lighter than 18 gauge	United States	462	17	64.7
	Sweden	4	1	...
	United Kingdom	48	...	.9
	France	...	...	...
	Belgium	...	...	...
	Germany	...	...	...
Painted	United States	1,700	...	...
	Germany	15	...	...
	United Kingdom	...	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	8	...	...
	United Kingdom	...	...	...
For saws	United States	...	22	...
	Sweden	...	14	...
	United Kingdom	...	...	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1952 (Continued)

Commodity	Country of origin	J a n u a r y		
		Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)		
Strip - (concluded)				
Cold rolled - (concluded)				
For tubes	United States	202	...	...
	France	...	...	...
	Germany	...	...	...
	Belgium	...	...	...
For tubular products	United States	190	...	...
For butt hinges	United States	565	...	...
	United Kingdom	...	...	...
Silicon .075 or more	United States	...	...	...
For hoops	United States	...	...	...
	United Kingdom	...	...	...
Galvanized strip	United States	550	...	...
	United Kingdom	71	...	...
	Germany	...	...	...
Skelp -				
15 $\frac{3}{8}$ " in width	United States	11,956	...	...
	France	...	...	...
	Belgium	...	...	...
	United Kingdom	1,136	...	...
	Germany	...	...	...
Over 15 $\frac{3}{8}$ " in width	United States	1,022	...	...
	Germany	...	...	...
Plate	United States	645	...	...
Pipes and tubes -				
Cast	United States	9	...	...
	United Kingdom	849	...	...
	Germany	...	...	...
	Sweden	...	...	...
Bedstead	United States	...	...	...
	France	...	...	...
	United Kingdom	4	...	...
	Belgium	...	...	...
	Denmark	...	...	...
	Sweden	...	...	...
Repair of pressure parts of boilers -				
Hot finished	United States	916	9	...
	United Kingdom	933	...	...
	Sweden	...	...	...
	France	...	...	...
Cold drawn	United States	470	...	14.6
	United Kingdom	393	...	1.4
	Sweden	1	...	...
Welded	United States	269	...	.8
	United Kingdom	21	...	...
Seamless, 12" and under in diameter -				
Cold drawn	United States	475	72	9.4
	United Kingdom	209	2	16.3
	Sweden	44	...	...
	Germany	...	...	...
Hot finished	United States	995	156	...
	United Kingdom	291	...	4.2
	Czechoslovakia	...	...	...
	Germany	...	...	...
	France	...	...	...
	Sweden	...	...	...
Seamless, over 12" in diameter -				
Hot finished	United States	458	...	...
	United Kingdom	11	...	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1952 (Continued)

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1952 (continued)		J a n u a r y		
Commodity	Country of origin	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)				
Pipes and tubes - (concluded)				
Welded, 4" and under in diameter	United States	569	...	1.3
	United Kingdom	249	...	...
	Belgium	...	...	...
	Czechoslovakia	...	...	...
	Holland	...	...	...
	Germany	...	...	...
	France	...	...	...
Welded, over 4" in diameter	United States	145	...	...
	United Kingdom	17	...	...
	Germany	...	...	...
	Belgium	...	...	...
Tubing -				
Not over ½" diameter, welded and coated	United States	57	...	...
Spiral welded	United States	132	...	...
Casings	United States	3,474	...	...
	United Kingdom	1,506	...	...
	Germany	...	...	...
	Netherlands	...	...	...
	Belgium	...	...	...
	France	...	...	...
	Italy	...	...	...
Fittings and couplings	United States	380	...	1.3
	United Kingdom	13	...	...
	Germany	...	...	...
Wire rope	United States	201	...	...
	United Kingdom	104	...	...
	Belgium	...	...	...
	Germany	...	...	...
	Holland	24	...	...
	France	...	...	...
Wire for rope	United States	2,468	...	...
	United Kingdom	821	...	...
	Norway	...	...	...
	Belgium	...	...	...
	Germany	...	...	...
Wire - For fencing, galvanized	United States	...	...	...
For corset laces, steels, etc. ...	United States	8	...	...
	United Kingdom	...	...	...
For spring mattresses, etc.	United States	380	...	...
	United Kingdom	6	...	...
	Czechoslovakia	...	...	...
	Belgium	...	...	...
	Germany	...	...	...
Wire cloth and netting	United States	148	...	...
	United Kingdom	14	...	...
	Germany	...	...	...
Wire, coated	United States	118	...	...
	United Kingdom	...	...	...
	France	...	...	...
	Germany	...	...	...
	Belgium	...	...	...
Wire, all other	United States	1,266	1	1.8
	United Kingdom	11	...	...
	Germany	1	...	...
	France	...	...	...
	Sweden	6	...	...
	Belgium	66	...	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1952 (Concluded)

Commodity	Country of origin	J a n u a r y		
		Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)		
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	25	...	...
	France	...	...	...
	Belgium	275	...	...
	Germany	199	...	...
	United Kingdom	...	...	...
	Sweden	...	...	...
Welding wire and welding rods	United States	112	16	4.2
	United Kingdom	...	...	...
Castings -				
For agricultural implements	United States	689	38	...
	United Kingdom	...	...	...
For ingot moulds	United States	1,673	...	...
	United Kingdom	...	...	...
Malleable	United States	139	...	...
Non-malleable	United States	148	...	...
	United Kingdom	...	...	...
Steel	United States	22	1	.9
	Germany	1	...	...
	United Kingdom	...	...	...
For railway vehicles	United States	1	...	...
	France	...	...	...
Rolls	United States	386	98	...
	United Kingdom	21	4	...
Piston rings (rough)	United States	7	...	...
Forgings	United States	164	4	1.3
	United Kingdom	283	...	...
	Germany	...	...	...
Wheels - For railway rolling stock	United States	45	...	...
	United Kingdom	558	...	...
Tires - For railway rolling stock	United States	25	...	...
	United Kingdom	275	...	...
Rails - 60 lb. and under	United States	260	...	...
	Belgium	...	...	...
	France	106	...	...
	Germany	...	...	...
	United Kingdom	...	...	...
Over 60 lb. and including 100 lb.	United States	231	...	...
	United Kingdom	...	...	...
Over 100 lb.	United States	...	...	...
	United Kingdom	...	...	...
Axles - For railway vehicles	United States	5	...	...
	United Kingdom	76	...	...
Track material -				
Angles, bars, tie plates, rail joints	United States	257	...	...
	Belgium	...	...	...
	France	...	...	...
	United Kingdom	...	...	...
	Germany	...	...	...
Intersections, switches, frogs	United States	36	...	...
	France	4	...	...
Total Imports	United States	128,894	4,346	861.0
	All other	44,864	197	67.2
TOTAL		173,758	4,543	928.2

Table 12 - Exports of Primary Iron and Steel, January, 1952

	January
	(Tons of 2,000 pounds)
Pig iron	42,270
Ingots, blooms and billets	11,000
Bars	2,000
Rods	33
Plates, sheets and strips	1,968
Rails .....	...
Structural shapes	355
Pipe and tubing - Wrought iron	107
Cast iron	85
Galvanized	103
Other	122
Castings, iron and steel	1,565
Forgings	898
Total	60,506



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Industry and Merchandising Division

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PRIMARY IRON AND STEELFEBRUARY - 1952

Pig iron - Production of pig iron in Canada amounted to 199,162 tons in February, compared with 193,228 tons in the corresponding month of last year. The total for the current month included 150,155 tons of basic iron, 24,457 tons of foundry iron and 24,550 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in February amounted to 22,171 tons, compared with 21,458 tons in the previous month and with 14,914 tons in February of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel ingots and castings - Production of steel ingots and steel castings during February totalled 305,865 tons, compared with 281,380 tons in February of last year. Output in the month under review included 294,346 tons of ingots and 11,519 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production and Shipments During February, 1951 and 1952

	February, 1951		February, 1952	
	Tonnage made(*)	Tonnage shipped	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Pig iron</u> -				
Basic	143,301	4,855	150,155	9,701
Foundry	28,658	22,750	24,457	21,765
Malleable	21,269	16,107	24,550	23,488
Total Pig Iron	193,228	43,712	199,162	54,954
<u>Ferro-alloys</u> -	14,914	Not available	22,171	Not available

(*) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Two Months Ended February, 1951 and 1952

	1 9 5 1		1 9 5 2	
	Tonnage made(*)	Tonnage shipped	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Pig iron</u> -				
Basic	301,007	11,561	312,260	30,333
Foundry	58,691	52,332	38,241	36,244
Malleable	34,661	37,202	57,814	55,218
Total Pig Iron	394,359	101,095	408,315	121,795
<u>Ferro-alloys</u> -	33,976	Not available	22,171	Not available

(*) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During February, 1951 and 1952, and Two Months Ended February, 1952

	February, 1951	February, 1952	Two months ended February, 1952
	(Net tons of 2,000 pounds)		
Iron ore) Canadian	94,604	112,368	235,723
) Imported	239,309	244,774	488,972
Mill cinder, scale, sinter, etc.	42,572	31,121	67,456
Limestone	72,193	79,861	166,987
Dolomite	11,133	14,481	24,252
Coke	178,549	189,024	385,719
Scrap iron and steel	4,214	5,754	10,834

Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd.	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
	Total	15	3,025,000

Table 5 - Description of Iron Blast Furnaces at End of February, 1952

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	14	2,889,950	95.5
Banked .....	..	...	...
Blown out	1	135,050	4.5
Total	15	3,025,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During February, 1951 and 1952

	February, 1951		February, 1952	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel Ingots</u>				
Open hearth - basic	227,997	8,313	243,412	15,111
Electric	43,225	4,193	50,934	7,679
Total Steel Ingots	271,222	12,506	294,346	22,790
Alloy steel ingots included in above	16,533	4,223	16,825	...
<u>Steel Castings</u>				
Open hearth - basic	2,635	2,445	3,263	3,065
Converter	21	19	1	...
Electric	7,502	5,553	8,255	6,019
Total Steel Castings	10,158	8,017	11,519	9,084
Alloy steel castings included in above:				
(a) High alloy, except manganese) and abrasion resistant			120	110
(b) High alloy, manganese and) and abrasion resistant	2,204	1,057	1,413	967
(c) All other alloys			837	301

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Two Months Ended February, 1951 and 1952

	1 9 5 1		1 9 5 2	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
	(Net tons of 2,000		pounds)	
<u>Steel Ingots</u>				
Open hearth - basic	480,624	19,752	498,500	40,641
Electric	90,008	9,802	101,567	15,433
Total Steel Ingots	570,632	29,554	600,067	56,074
Alloy steel ingots included in above	35,148	5,206	32,658	41

Table 7 - Cumulative Production and Sales for the Two Months Ended February, 1951 and 1952 (Concluded)

	1 9 5 1		1 9 5 2	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Castings</u>				
Open hearth - basic	5,118	4,706	6,237	5,714
Converter	29	27	2	...
Electric	15,254	11,173	16,593	12,441
Total Steel Castings	20,401	15,906	22,832	18,155
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant)	4,200	1,814	211	203
(b) High alloy, manganese and abrasion resistant)			6,277	5,606
(c) All other alloys			1,084	588

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During February, 1951 and 1952 and Two Months Ended February, 1952

	February, 1951	February, 1952	Two months ended February, 1952
(Net tons of 2,000 pounds)			
Pig iron	140,495	165,827	338,399
Scrap - Own make	76,588	81,366	165,744
Purchased	88,972	86,055	175,147

Table 9 - Steel Furnace Capacity at End of February, 1952

	Annual capacity
(Net tons of 2,000 pounds)	
Ingots - Basic open hearth	3,024,000
Electric	648,500
Total Ingots	3,672,500
Steel castings	303,600
Total Ingots and Castings	3,976,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952					
Month	Pig iron	Ferro-alloys	Steel		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
1951					
January	201,131	19,062	299,410	10,243	309,653
February	193,228	14,914	271,222	10,158	281,380
Total - Two Months	394,359	33,976	570,632	20,401	591,033
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
October	224,511	25,777	298,159	11,255	309,414
November	223,467	22,271	295,485	11,590	307,075
December	220,537	20,675	286,755	9,790	296,545
Total	2,552,696	250,930	3,446,125	121,236	3,567,361
1952					
January	209,153	21,458	305,721	11,313	317,034
February	199,162	22,171	294,346	11,519	305,865
Total - Two Months	408,315	43,629	600,067	22,832	622,899

Primary Iron and Steel

- 4 -

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 261,814 net tons in February, 1952, compared with 244,601 tons in February, 1951. The February, 1952 shipments included 161 tons of semi-finished shapes, 18,670 tons of structurals, 16,862 tons of plates, 27,350 tons of rails, 9,190 tons of tie plates and track material, 49,527 tons of hot rolled bars, 19,502 tons of pipes and tubes, 27,561 tons of wire rods, 23,681 tons of black sheets, 9,428 tons of galvanized sheets, 11,057 tons of castings, and 44,414 tons of other rolled products. The amount of producers' interchange was 148,834 tons in February, as against 122,068 tons in February, 1951.

Of the amounts shipped for sale during February, 64,122 tons went direct to railways and railway car shops; 11,222 tons went to pressing, forming and stamping plants; 34,125 tons to merchant trade products; 28,833 tons to building construction; 22,450 tons to the containers industry; 14,177 tons to agricultural equipment; 16,949 tons to the automotive industry; 16,842 tons to machinery plants; 3,340 tons to shipbuilding; 11,746 tons to mining, lumbering, etc., and 9,468 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 24,921 tons, and exports for 3,619 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 148,834 tons in February, 1952.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, February, 1952

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	6,853	3,373	2,930
Other semi-finished shapes, not for re-rolling by makers	48,066	161	43,236
Structural shapes and piling	18,603	18,670	...
Plates	18,039	16,617	...
Rails	23,612	27,350	...
Tie plates and track material: Splice bars ..	900	1,010	...
Tie plates ..	7,749	7,194	...
Spikes	1,002	986	...
Concrete reinforcing bars	13,404	12,710	...
Hot rolled bars for cold finishing	1,430	...	1,470
Other hot rolled bars	49,148	40,028	11,196
Pipes and tubes	23,119	19,502	...
Wire rods	27,828	27,484	72
Hot rolled black sheets	59,655	11,534	48,940
Cold reduced black sheets	18,319	12,147	6,282
Galvanized sheets	9,489	9,428	...
Steel castings	9,155	8,972	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	66,579	30,484	34,708
Total - Carbon Steel	402,950	247,650	148,834
<u>Alloy Steel</u>			
Billets, etc., for forging	1,041	1,038	...
Other semi-finished shapes, not for re-rolling by makers .....	...	...	...
Structural shapes and piling .....	...	...	...
Plates	82	245	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	8,308	9,499	...
Pipes and tubes .....	...	...	...
Wire rods	66	77	...
Steel castings	2,383	2,085	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, stainless steel and axles and all other)	908	1,220	...
Total - Alloy Steel	12,788	14,164	...

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants, or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Two Months Ended February, 1952

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	13,985	6,981	6,475
Other semi-finished shapes, not for re-rolling by makers	109,073	8,573	97,806
Structural shapes and piling	29,683	29,905	...
Plates	38,662	37,805	19
Rails	50,212	50,026	...
Tie plates and track material: Splice bars ..	1,437	1,335	...
Tie plates ..	14,074	12,945	...
Spikes	2,550	2,595	...
Concrete reinforcing bars	27,803	27,077	...
Hot rolled bars for cold finishing	2,313	...	2,342
Other hot rolled bars	100,046	80,720	19,818
Pipes and tubes	39,903	36,075	...
Wire rods	56,854	55,649	138
Hot rolled black sheets	130,523	23,602	105,297
Cold reduced black sheets	40,331	28,954	11,807
Galvanized sheets	19,833	20,143	...
Steel castings	18,214	18,003	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	128,672	60,057	63,615
Total - Carbon Steel	824,168	500,445	307,317
<u>Alloy Steel</u>			
Billets, etc., for forging	2,056	2,113	...
Other semi-finished shapes, not for re-rolling by makers	203	...	203
Structural shapes and piling .....	...	...	...
Plates	200	298	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	18,914	18,224	...
Pipes and tubes .....	...	...	...
Wire rods	91	91	...
Steel castings	4,645	4,227	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	2,748	2,841	...
Total - Alloy Steel	28,857	27,794	203

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, February and Year to Date, 1952

	F e b r u a r y		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	9,699	7,250	18,708	13,712
Agricultural, including farm machinery	13,981	196	24,973	803
Building construction	28,643	190	63,360	329
Containers industry	22,445	5	44,104	11
Machinery and tools	15,752	1,090	31,687	2,129
Merchant trade products	33,892	233	71,711	449
Mining, lumbering, etc.	10,327	1,419	20,183	2,804
National defence	6,157	690	11,689	1,312
Pressing, forming and stamping	11,109	113	25,892	230

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, February and Year to Date, 1952 (Concluded)

	F e b r u a r y		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Public works and utilities	1,336	59	2,498	101
Railway operating	45,063	266	82,749	480
Railway cars and locomotives	18,407	386	34,880	472
Shipbuilding	3,202	138	6,072	310
Miscellaneous and unclassified	1,077	149	2,094	310
Wholesalers and warehouses	24,758	163	48,297	292
Direct export (a) to British Empire	345	846	923	2,264
(b) to other countries	1,457	971	10,625	1,786
Total Shipped for Sale	247,650	14,164	500,445	27,794
Producers' interchange	148,834	...	307,317	203

Table 14 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1952

Table 11. Imports of Primary Forms of Iron and Steel, Possibly and Probably and Year to Date, 1934							
Commodity	Country of origin	F e b r u a r y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	53	...	...	164	...	...
Malleable	United States	...	...	...	86	...	...
Special	United States	...	...	...	...	...	...
Ingots	United States	8,352	...	...	16,149	...	...
Billets, blooms, slabs and sheet bars	United States	2,362	2	...	3,659	6	...
	United Kingdom	...	...	...	...	2	...
Tube rounds and tube billets ...	United States	1,372	...	...	1,650	...	...
	Belgium	...	...	...	35	...	...
Bars and Sections -							
Hot rolled, n.o.p.	Japan	...	...	...	992	...	...
	United States	7,824	895	9.0	13,536	1,019	49.5
	United Kingdom	393	21	28.9	1,225	97	28.9
	Belgium	3,727	...	...	13,444	...	...
	France	1,026	...	...	2,302	...	...
	Germany	14	...	...	344	...	...
	Sweden	15	...	...	15	...	...
Hot rolled -							
For agricultural implements.	United States	1,565	...	...	5,309	...	...
	United Kingdom	...	...	...	204	...	...
	Belgium	...	...	...	219	...	...
	France	...	...	...	20	...	...
Rounds over 4-7/8", squares over 4"	United States	109	1	...	225	3	...
	United Kingdom	19	3	...	42	28	...
Angles, channels, etc.	United States	1,191	4	.8	2,542	15	1.9
	Belgium	1,323	...	...	2,145	...	...
	United Kingdom	197	...	...	426	...	...
	France	311	...	...	956	...	...
	Japan	114	...	...	114	...	...
	Germany	16	...	...	16	...	...
Structurals (bar sizes) for agricultural implements ..	United States	844	...	...	2,800	...	...
Sash or casement sections .	United States	252	...	...	533	...	...
	Belgium	...	...	...	24	...	...
	United Kingdom	...	...	...	...	...	...
Cold rolled, n.o.p.	United States	538	3	1.9	1,260	16	3.9
	United Kingdom	132	4	...	330	4	2.2
	Belgium	151	...	...	393	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1952 (Continued)

Commodity	Country of origin	F e b r u a r y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and Sections (Concluded) -							
Cold rolled, n.o.p. (Concluded)	France	452	...	...	1,055	...	...
	Sweden	...	...	...	44	...	...
	Germany	278	...	...	278	...	...
Cold rolled, for agricultural implements	United States	569	...	...	981	8	...
	Belgium	28	...	...	63	...	...
	United Kingdom	3	...	...	3	...	...
Tool steel	United States	21	155	...	44	246	...
	United Kingdom	9	80	...	21	111	...
	Belgium	127	...	...	127	...	...
Structurals	United States	17,284	1	...	40,149	7	...
	United Kingdom	2,530	...	...	4,678	...	...
	Belgium	5,262	...	...	11,996	...	...
	France	815	...	...	4,428	...	...
	Germany	566	...	...	591	...	...
	Japan	...	...	...	420	...	...
Plates -							
78" and under in width	United States	10,709	21	35.9	22,192	75	139.2
	United Kingdom	1,352	...	.5	2,195	...	4.0
	Belgium	2,129	...	...	2,477	...	...
	Germany	827	...	...	3,022	...	...
	Japan	522	...	...	850	...	...
	France	343	...	...	809	...	...
Over 78" and under 100" in width	United States	5,298	...	.9	11,470	1	7.4
	United Kingdom	310	...	...	1,238	...	...
	France	...	...	...	85	...	...
	Belgium	...	...	...	75	...	...
	Japan	50	...	...	50	...	...
100" in width and over	United States	1,162	...	...	2,107	44	...
	United Kingdom	82	...	...	82	...	...
Flanged, dished or curved	United States	335	...	9.5	596	...	9.5
Boiler, pulp-mill digesters ..	United States	133	...	...	358	...	...
	United Kingdom	197	...	...	272	...	...
	Belgium	30	...	...	30	...	...
	Japan	27	...	...	27	...	...
Chequered or surface pattern	United States	647	...	...	1,497	...	...
	United Kingdom	55	...	...	55	...	...
	Belgium	20	...	...	20	...	...
Painted	United States	...	...	...	...	...	...
Sheets -							
Silicon .075 or more	United States	...	2,356	...	...	5,655	...
	United Kingdom	...	...	...	...	39	...
Galvanized	United States	1,070	...	...	2,442	...	...
	United Kingdom	206	...	...	371	...	...
Hot rolled -							
18 gauge and heavier	United States	9,097	55	140.7	18,593	131	272.6
	Germany	23	...	...	593	...	...
	France	...	...	...	...	...	...
	Belgium	756	...	...	1,021	...	...
	United Kingdom	291	...	11.5	425	...	49.8
	Sweden	...	...	...	...	2	...
	Japan	550	...	...	550	...	...
Lighter than 18 gauge	United States	262	...	29.7	908	51	79.3
	United Kingdom	71	...	...	77	...	...
	Belgium	...	...	...	...	...	...
	France	...	...	...	...	...	...
For hollow ware (vitreous enamel)	United States	277	...	...	363	...	...
	France	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1952 (Continued)

Commodity	Country of origin	F e b r u a r y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets (Concluded) -							
Hot rolled (Concluded) -							
Corrugated	United States	627	...	...	1,460	...	...
	United Kingdom	10	...	...	39	...	...
Coated with paint, tar, asphaltum, etc.	United States	...	...	...	111	...	...
For saws	United States	26	44	...	51	134	...
	United Kingdom	3	5	...	3	5	...
For cold rolling	United States	43	...	...	43	...	...
For tubes	United States	...	...	...	234	...	...
Cold rolled -							
18 gauge and heavier	Belgium	...	...	...	...	...	...
	United States	4,819	...	84.9	8,710	21	174.0
	United Kingdom	10	...	...	26	...	...
Lighter than 18 gauge	United States	4,199	...	66.9	7,356	...	222.7
	United Kingdom	95	...	1.1	151	...	1.5
	Belgium	25	...	...	25	...	...
For hollow ware (vitreous enamel)	United States	109	...	...	666	...	...
	United Kingdom	...	...	...	...	...	...
Black plate - Tin mill	United States	86	...	...	88	...	...
Coated with paint, tar, asphaltum, etc.	United States	75	...	...	137	...	...
For heating apparatus	United States	48	...	...	140	...	...
For saws	Sweden	3	...	...	3	1	...
	United States	3	...	...	3	...	...
For tubes	United States	124	...	...	589	...	...
Tin plate - Primes	United Kingdom	23	...	...	104	...	...
Seconds	United Kingdom	...	...	...	...	...	...
Electrolytic #25 ..	United States	...	...	...	26	...	...
	United Kingdom	...	...	...	3	...	...
Terne plate - Long	United States	727	...	...	1,177	...	...
	United Kingdom	7	...	...	7	...	...
Short	United States	177	...	...	298	...	...
	United Kingdom	12	...	...	12	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	2,401	...	.1	4,883	4	2.6
	Belgium	78	...	...	124	...	...
	United Kingdom	3	...	...	44	...	...
Lighter than 18 gauge	United States	224	...	2.2	310	...	48.1
For cold rolling	United States	136	...	...	566	...	...
	United Kingdom	...	...	...	...	...	...
Painted	United States	...	...	...	11	...	...
For shoe and corset laces, buckles, ball bearings, etc..	United States	...	...	...	...	...	...
For saws	United States	33	1	...	144	8	...
	United Kingdom	2	...	...	2	...	...
	Sweden	...	3	...	...	3	...
For motor vehicles	United States	1,489	...	...	3,774	...	...
For hoops	United States	69	...	...	240	...	...
	United Kingdom	...	...	...	...	...	...
For tubular products	United States	40	...	...	42	...	...
For tubes	United States	269	...	...	305	...	...
Silicon .075 or more	United States	...	...	...	...	...	...
Cold rolled -							
18 gauge and heavier	Germany	11	...	...	11	...	...
	Sweden	...	...	...	1	...	...
	United States	321	3	19.5	825	9	152.0

Table 14 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1952 (Continued)

Commodity	Country of origin	F e b r u a r y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip (Concluded) -							
Cold rolled (Concluded) -							
Lighter than 18 gauge	United States	771	5	68.8	1,233	22	133.5
	Sweden	38	...	...	42	1	...
	United Kingdom	...	...	...	48	...	.9
	Germany	4	...	...	4	...	...
Painted	United States	678	...	...	2,378	...	...
	Germany	...	...	...	15	...	...
	United Kingdom	...	...	...	...	...	...
For shoe and corset laces, buckles, ball bearings, etc..	United States	17	...	...	25	...	...
	United Kingdom	...	...	...	...	...	...
For saws	United States	4	29	...	4	51	...
	Sweden	2	1	...	2	15	...
For tubes	United States	422	38	...	624	38	...
	France	...	...	...	...	...	...
For tubular products	United States	330	...	...	520	...	...
For butt hinges	United States	286	...	...	851	...	...
For hoops	United States	39	...	...	39	...	...
Silicon .075 or more	United States	...	...	...	...	...	...
Galvanized strip	United States	674	...	...	1,224	...	...
	United Kingdom	1	...	...	72	...	...
	Germany	20	...	...	20	...	...
Skelp -							
15-3/8" and under in width	United States	8,714	...	...	20,670	...	...
	United Kingdom	...	...	...	1,136	...	...
	Belgium	602	...	...	602	...	...
	France	563	...	...	563	...	...
	Germany	325	...	...	325	...	...
Over 15-3/8" in width	United States	224	...	...	1,246	...	...
Plate for pipe	United States	241	...	...	886	...	...
Pipes and tubes -							
Cast	United States	46	...	...	55	...	...
	United Kingdom	477	...	...	1,326	...	...
Bedstead	United Kingdom	...	...	...	4	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	757	25	...	1,673	34	...
	United Kingdom	170	...	21.5	1,103	...	21.5
Cold drawn	United States	63	8	...	533	8	14.6
	United Kingdom	102	6	...	495	6	1.4
	Sweden	...	...	...	1	...	...
Welded	United States	68	...	...	337	...	.8
	United Kingdom	35	...	...	56	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	818	57	25.4	1,293	129	34.8
	United Kingdom	256	1	4.8	465	3	21.1
	Sweden	2	...	...	46	...	...
	Germany	45	...	...	45	...	...
Hot finished	United States	817	88	7.3	1,812	244	7.3
	United Kingdom	160	...	...	451	...	4.2
Seamless, over 12" in diameter -							
Hot finished	United States	379	34	...	837	34	...
	United Kingdom	121	...	...	132	...	...
Welded, 4" and under in diameter	United States	324	...	.4	893	...	1.7
	United Kingdom	789	...	...	1,038	...	...
Welded, over 4" in diameter ...	United States	125	...	.6	270	...	.6
	United Kingdom	...	...	...	17	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1952 (Continued)

Commodity	Country or origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes (Concluded) -							
Tubing -							
Not over 1/2" diameter, welded							
and coated	United States	20	...	...	77	...	...
Spiral welded	United States	13	...	...	145	...	...
Casings	United States	2,634	...	...	6,108	...	...
	Germany	...	...	...	...	...	...
	Netherlands	...	...	...	...	...	...
	United Kingdom	1,537	...	...	3,043	...	...
Fittings and couplings	United States	318	...	4.2	698	...	5.5
	United Kingdom	5	...	...	18	...	...
	Sweden	1	...	...	1	...	...
Wire rope							
	United States	146	...	2.7	347	...	2.7
	United Kingdom	45	...	...	149	...	...
	Holland	3	...	...	27	...	...
	Belgium	...	...	...	...	...	...
Wire for rope	United States	1,951	30	.6	4,419	30	.6
	United Kingdom	1,109	...	3.0	1,930	...	3.0
	Germany	30	...	...	30	...	...
Wire -							
For corset laces, steels, etc. ..	United States	7	...	...	15	...	...
	United Kingdom	...	...	...	...	...	...
For spring mattresses, etc.	United States	219	...	...	599	...	...
	United Kingdom	...	...	...	6	...	...
	Czechoslovakia	...	...	...	...	...	...
For fencing, galvanized	United States	...	...	...	...	...	...
Wire cloth and netting	United States	86	...	...	234	...	...
	United Kingdom	7	...	...	21	...	...
Wire, coated	United States	162	...	...	280	...	...
	United Kingdom	56	...	...	56	...	...
Wire, all other	United States	792	...	1.8	2,058	1	3.6
	United Kingdom	3	...	...	14	...	...
	Germany	3	...	...	4	...	...
	Belgium	57	...	...	123	...	...
	Sweden	...	...	...	6	...	...
Wire rods, not over 3/8" in diameter	United States	81	1	...	106	1	...
	Germany	277	...	...	476	...	...
	Belgium	972	...	...	1,247	...	...
Welding wire and welding rods	United States	96	6	11.7	208	22	15.9
	Belgium	352	...	...	352	...	...
Castings -							
For agricultural implements	United States	446	...	...	1,135	38	...
For ingot moulds	United States	3,147	...	...	4,820	...	...
	United Kingdom	24	...	...	24	...	...
Malleable	United States	60	...	...	199	...	...
	United Kingdom	1	...	...	1	...	...
Non-malleable	United States	37	...	...	185	...	...
Steel	United States	32	14	...	54	15	.9
	Germany	...	...	...	1	...	...
For railway vehicles	United States	47	...	...	48	...	...
Rolls	United States	441	15	...	827	113	...
	United Kingdom	...	...	...	21	4	...
Piston rings (rough)	United States	10	...	...	17	...	...
Forgings							
	United States	361	27	...	525	31	1.3
	United Kingdom	66	...	...	349	...	...
Axles - For railway vehicles	United States	37	...	...	42	...	...
	United Kingdom	...	...	...	76	...	...
Wheels - For railway rolling stock.	United States	22	...	...	67	...	...
	United Kingdom	221	...	...	779	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, February and Year to Date, 1952 (Concluded)

Commodity		Country of origin	F e b r u a r y			Year to date		
			Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)								
Tires -								
For railway rolling stock		United States	5	...	...	30	...	...
		United Kingdom	71	...	...	346	...	...
Rails -								
60 lb. and under		Belgium	74	...	...	74	...	...
		United States	310	...	...	570	...	...
		Germany	33	...	...	33	...	...
		France	...	...	...	106	...	...
Over 60 lb. and including 100 lb.		United States	644	...	...	875	...	...
Over 100 lb.		United States	69	...	...	69	...	...
Track material -								
Angles, bars, tie plates, rail joints		Germany	1	...	...	1	...	...
		Belgium	...	...	...	...	...	...
		United States	209	...	...	466	...	...
		United Kingdom	...	...	...	...	...	...
Intersections, switches, frogs		France	...	...	...	4	...	...
		United States	74	...	...	110	...	...
		Belgium	3	...	...	3	...	...
Total Imports		United States	115,644	3,918	525.5	244,538	8,264	1,386.5
		All other	34,294	124	71.3	79,158	321	138.5
TOTAL			149,938	4,042	596.8	323,696	8,585	1,525.0

Table 15 - Exports of Primary Iron and Steel, February and Year to Date, 1952

	February	Year to date
(Tons of 2,000 pounds)		
Pig iron	19,692	61,962
Ingots, blooms and billets	425	11,425
Bars	2,056	4,056
Rods	33	66
Plates, sheets and strips	2,160	4,128
Rails .....	...	...
Structural shapes	355	710
Pipe and tubing - Wrought iron ...	5	112
Cast iron	191	276
Galvanized	1	104
Other	144	266
Castings, iron and steel	1,494	3,059
Forgings	72	970
Total	26,628	87,134

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PRIMARY IRON AND STEEL

MARCH - 1952

Pig Iron - Production of pig iron in Canada amounted to 240,755 tons in March compared with 220,603 tons in the corresponding month of last year. The total for the current month included 182,937 tons of basic iron, 20,662 tons of foundry iron and 37,156 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in March amounted to 23,097 tons compared with 22,171 tons in the previous month and with 19,451 tons in March of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during March totalled 339,396 tons compared with 314,826 tons in March of last year. Output in the month under review included 327,885 tons of ingots and 11,511 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During March, 1951 and 1952

	March - 1951		March - 1952	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Pig iron</u> -				
Basic	160,937	7,677	182,937	9,512
Foundry	28,621	34,915	20,662	18,229
Malleable	31,045	31,069	37,156	32,758
Total Pig iron	220,603	3,661	240,755	60,499
<u>Ferro-alloys</u> -	19,451	Not available	23,097	21,864

(*) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Three Months Ended March, 1951 and 1952

	1 9 5 1		1 9 5 2	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Pig iron</u> -				
Basic	461,944	19,238	495,197	39,845
Foundry	87,312	87,247	58,903	54,473
Malleable	65,706	68,271	94,970	87,976
Total Pig iron	614,962	174,756	649,070	182,294
<u>Ferro-alloys</u> -	53,427	Not available	66,726	66,425

(*) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During March, 1951 and 1952 and Three Months Ended March, 1952

	M a r c h		Three months ended March	
	1 9 5 1	1 9 5 2	1 9 5 1	1 9 5 2
(Net tons of 2,000 pounds)				
Iron ore - Canadian	108,811	134,605	320,081	370,328
Imported	267,752	305,391	743,299	794,363
Mill cinder, scale, sinter, etc..	45,664	33,185	129,048	100,641
Limestone	79,509	90,080	227,458	257,067
Dolomite	14,320	21,488	38,141	45,740
Coke	200,270	228,110	565,859	613,829
Scrap iron and steel	4,826	6,949	14,813	17,783

Table 4 - Iron Blast Furnaces

Name of Company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd. ..	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		15	3,025,000

Table 5 - Description of Iron Blast Furnaces at End of March, 1952

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	13	2,834,950	93.7
Banked	1	55,000	1.8
Blown out	1	135,050	4.5
Total	15	3,025,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During March, 1951 and 1952

	March - 1951		March - 1952	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	257,138	16,986	272,824	10,595
Electric	47,143	7,057	55,061	7,495
Total Steel ingots	304,281	24,043	327,885	18,090
Alloy steel ingots included in above	16,293	...	17,866	28
<u>Steel castings</u>				
Open hearth - basic	2,603	2,409	3,030	2,853
Converter	8	8	33	20
Electric	7,934	6,008	8,448	6,134
Total Steel castings	10,545	8,425	11,511	9,007
Alloy steel castings included in above:-				
(a) High alloy, except manganese and abrasion resistant			55	59
(b) High alloy, manganese and abrasion resistant)	2,206	1,225	1,609	1,094
(c) All other alloys			1,169	513

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Three Months Ended March, 1951 and 1952

	1951		1952	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	737,762	36,738	771,324	51,236
Electric	137,151	16,859	156,628	22,928
Total Steel ingots	874,913	53,597	927,952	74,164
Alloy steel ingots included in above	51,441	5,206	50,524	69

Table 7 - Cumulative Production and Sales for the Three Months Ended March, 1951 and 1952 (Concluded)

	1 9 5 1		1 9 5 2	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel castings</u>				
Open hearth - basic	7,721	7,115	9,267	8,567
Converter	37	35	35	20
Electric	23,188	17,181	25,041	18,575
Total Steel castings	30,946	24,331	34,343	27,162
Alloy steel castings included in above:-				
(a) High alloy, except manganese and abrasion resistant			266	262
(b) High alloy, manganese and abrasion resistant)	6,406	3,039	7,886	6,700
(c) All other alloys			2,253	1,101

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During March, 1951 and 1952, and Three Months Ended March, 1952

	March 1 9 5 1	March 1 9 5 2	Three months ended March, 1952
	(Net tons of 2,000 pounds)		
Pig iron	160,063	179,995	518,394
Scrap - Own make	91,253	91,960	257,704
Purchased	92,340	100,576	275,723

Table 9 - Steel Furnace Capacity at First of January, 1951

	Annual Capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 5 1</u>					
January	201,131	19,062	299,410	10,243	309,653
February	193,227	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
Total - Three months.	614,961	53,427	874,913	30,946	905,859
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
October	224,511	25,777	298,159	11,255	309,414
November	223,467	22,271	295,485	11,590	307,075
December	220,537	20,675	286,755	9,790	296,545
Total	2,552,696	250,930	3,446,125	121,236	3,567,361

Primary Iron and Steel

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Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952 (Concluded)

Table 10 - Monthly Production of Pig iron, Ferro-alloys and Steel, 1951 and 1952 (Continued)					
Month	Pig iron	Ferro-alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
<u>1952</u>					
January	209,153	21,458	305,721	11,313	317,034
February	199,162	22,171	294,346	11,519	305,865
March	240,755	23,097	327,885	11,511	339,396
Total - Three months.	649,070	66,726	927,952	34,343	962,295

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 260,323 net tons in March, 1952 compared with 266,769 tons in March, 1951. The March shipments included 263 tons of semi-finished shapes, 17,419 tons of structurals, 20,009 tons of plates, 21,282 tons of rails, 6,900 tons of tie plates and track material, 46,261 tons of hot rolled bars, 23,868 tons of pipes and tubes, 32,195 tons of wire rods, 22,667 tons of black sheets, 10,203 tons of galvanized sheets, 11,320 tons of castings, and 41,395 tons of other rolled products. The amount of producers' interchange was 152,350 tons in March, 1952 as against 150,089 tons in March, 1951.

Of the amounts shipped for sale during March, 51,171 tons went direct to railways and railway car shops; 10,416 tons went to pressing, forming and stamping plants; 37,544 tons to merchant trade products; 33,055 tons to building construction; 20,662 tons to the containers industry; 13,923 tons to agricultural equipment; 12,667 tons to the automotive industry; 18,040 tons to machinery plants; 4,138 tons to ship-building; 14,498 tons to mining, lumbering, etc., and 10,552 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 28,096 tons, and exports for 5,561 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 152,350 tons in March, 1952.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, March, 1952

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	11,145	5,421	4,024
Other semi-finished shapes, not for re-rolling by makers	45,810	263	45,511
Structural shapes and piling	16,371	17,419	...
Plates	19,922	19,865	...
Rails	20,536	21,282	...
Tie plates and track material: Splice bars	1,005	948	...
Tie plates	5,449	4,204	...
Spikes	1,728	1,748	...
Concrete reinforcing bars	10,487	9,819	...
Hot rolled bars for cold finishing	1,387	...	1,358
Other hot rolled bars	48,100	38,835	7,872
Pipes and tubes	24,048	23,868	...
Wire rods	31,664	32,112	54
Hot rolled black sheets	61,624	9,230	53,955
Cold reduced black sheets	21,038	13,437	6,479
Galvanized sheets	10,988	10,203	3
Steel castings	9,106	8,979	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	65,187	30,370	32,709
Total - Carbon Steel	405,595	248,003	151,965

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, March, 1952 (Concluded)

	P r o d u c t i o n		S h i p m e n t s	
	(Including producers' interchange)		For sale	Producers' interchange
(Tons of 2,000 pounds)				
<u>Alloy Steel</u>				
Billets, etc., for forging	1,353		1,120	...
Other semi-finished shapes, not for re-rolling by makers	365		...	365
Structural shapes and piling .....	...		...	...
Plates	83		144	...
Hot rolled bars for cold finishing .....	...		...	...
Other hot rolled bars	7,151		7,426	20
Pipes and tubes .....	...		...	...
Wire rods	84		83	...
Steel castings	2,510		2,341	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other) ...	1,200		1,206	...
Total - Alloy Steel	12,746		12,320	385

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Three Months Ended March, 1952

	P r o d u c t i o n		S h i p m e n t s	
	(Including producers' interchange)		For sale	Producers' interchange
(Tons of 2,000 pounds)				
<u>Carbon Steel</u>				
Billets, etc., for forging	25,130		12,402	10,499
Other semi-finished shapes, not for re-rolling by makers	154,883		8,836	143,317
Structural shapes and piling	46,054		47,324	...
Plates	58,584		57,670	19
Rails	70,748		71,318	...
Tie plates and track material: Splice bars	2,442		2,283	...
Tie plates	19,523		17,149	...
Spikes	4,278		4,343	...
Concrete reinforcing bars	38,290		36,896	...
Hot rolled bars for cold finishing	3,700		...	3,700
Other hot rolled bars	148,146		119,545	27,690
Pipes and tubes	63,951		59,943	...
Wire rods	88,518		87,761	192
Hot rolled black sheets	192,147		32,832	159,252
Cold reduced black sheets	61,369		42,391	18,286
Galvanized sheets	30,821		30,346	3
Steel castings	27,320		26,982	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	193,859		90,427	96,324
Total - Carbon Steel	1,229,763		748,448	459,282
<u>Alloy Steel</u>				
Billets, etc., for forging	3,409		3,233	...
Other semi-finished shapes, not for re-rolling by makers	568		...	568
Structural shapes and piling .....	...		...	...
Plates	283		442	...
Hot rolled bars for cold finishing .....	...		...	...
Other hot rolled bars	26,065		25,650	20
Pipes and tubes .....	...		...	...
Wire rods	175		174	...
Steel castings	7,155		6,568	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other) ...	3,948		4,047	...
Total - Alloy Steel	41,603		40,114	588

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 13 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, March, 1952 and Year to Date

	M a r c h		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	7,633	5,034	26,341	18,746
Agricultural, including farm machinery .	13,503	420	38,476	1,223
Building construction	32,959	96	96,319	425
Containers industry	20,659	3	64,763	14
Machinery and tools	17,043	997	48,730	3,126
Merchant trade products	37,281	263	108,992	712
Mining, lumbering, etc.	13,064	1,434	33,247	4,238
National defence	5,957	666	17,646	1,978
Pressing, forming and stamping	10,295	121	36,187	351
Public works and utilities	2,659	62	5,157	163
Railway operating	32,740	284	115,489	764
Railway cars and locomotives	17,788	359	52,668	831
Shipbuilding	4,017	121	10,089	431
Miscellaneous and unclassified	1,048	160	3,142	470
Wholesalers and warehouses	27,955	141	76,252	433
Direct export (a) to British Empire	2,008	1,425	2,931	3,689
(b) to other countries ...	1,394	734	12,019	2,520
Total Shipped for Sale	248,003	12,320	748,448	40,114
Producers' interchange	151,965	385	652,410	28,179

Table 14 - Imports of Primary Forms of Iron and Steel, March, 1952 and Year to Date

Commodity	Country of origin	M a r c h			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	224	...	...	388	...	...
	Germany	...	...	...	...	...	...
Foundry	United States	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
Malleable	United States	...	...	...	86	...	...
	United Kingdom	...	...	...	...	...	...
Special	United States	...	...	...	...	...	...
	Holland	...	...	...	...	...	...
Ingots	United States	17,563	...	...	33,712	...	...
	Germany	...	...	...	...	...	...
Billets, blooms, slabs and sheet bars .	United States	1,024	493	...	4,683	499	...
	United Kingdom	...	7	...	...	9	...
	Germany	...	...	...	...	...	...
Tube rounds and tube billets	United States	1,322	1	...	2,972	1	...
	Belgium	...	...	...	35	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	7,983	714	12.1	21,519	1,733	61.6
	United Kingdom	122	20	1.0	1,347	117	29.9
	Belgium	4,280	...	...	17,724	...	...
	France	985	...	...	3,287	...	...
	Japan	175	...	...	1,167	...	...
	Germany	...	...	...	344	...	...
	Sweden	...	...	...	15	...	...
	Austria	...	...	...	...	...	...
Hot rolled -							
For agricultural implements	United States	1,271	32	...	6,580	32	...
	United Kingdom	22	...	...	226	...	...
	Belgium	...	...	...	219	...	...
	France	...	...	...	20	...	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4" ..	United States	144	7	...	369	10	...
	United Kingdom	18	...	...	60	28	...

Table 14 - Imports of Primary Forms of Iron and Steel, March, 1952 and Year to Date (Continued)

Commodity	Country of origin	M a r c h			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (concluded)							
Hot rolled - (concluded)							
Angles, channels, etc.	United States	459	...	3.5	3,001	15	5.4
	Belgium	594	...	...	2,739	...	...
	United Kingdom	...	...	...	426	...	...
	France	156	...	...	1,112	...	...
	Germany	...	...	...	16	...	...
	Japan	...	...	...	114	...	...
Structurals (bar sizes) for agri- cultural implements	United States	285	...	...	3,085	...	...
	United Kingdom	...	...	...	...	...	...
	France	...	...	...	...	...	...
Sash or casement sections	United States	336	...	...	869	...	...
	Belgium	45	...	...	69	...	...
	United Kingdom	...	...	...	...	...	...
	Germany	45	...	...	45	...	...
Cold rolled, n.o.p.	United States	668	...	1.9	1,928	16	5.8
	United Kingdom	7	...	...	337	4	2.2
	Belgium	...	...	...	393	...	...
	Sweden	...	...	...	44	...	...
	Germany	258	...	...	536	...	...
	France	422	...	...	1,477	...	...
Cold rolled, for agricultural implements	United States	379	...	...	1,360	8	...
	United Kingdom	...	...	...	3	...	...
	Belgium	...	...	...	63	...	...
Tool steel	United States	205	136	...	249	382	...
	United Kingdom	7	16	...	28	127	...
	Belgium	...	...	...	127	...	...
Structurals	United States	17,065	...	1.3	57,214	7	1.3
	United Kingdom	758	...	...	5,436	...	...
	Belgium	4,800	...	...	16,796	...	...
	France	302	...	...	4,730	...	...
	Germany	100	...	...	691	...	...
	Japan	...	...	...	420	...	...
Plates -							
78" and under in width	United States	12,144	23	93.6	34,336	98	232.8
	United Kingdom	1,973	...	3.9	4,168	...	7.9
	France	432	...	...	1,241	...	...
	Germany	439	...	...	3,461	...	...
	Japan	1,993	...	...	2,843	...	...
	Belgium	512	...	...	2,989	...	...
	Austria	409	...	...	409	...	...
Over 78" and under 100" in width	United States	3,516	...	8.3	14,986	1	15.7
	United Kingdom	2,122	...	...	3,360	...	...
	Belgium	...	...	...	75	...	...
	France	...	...	...	85	...	...
	Japan	227	...	...	277	...	...
	Austria	168	...	...	168	...	...
	Germany	168	...	...	168	...	...
100" in width and over	United States	512	...	...	2,619	44	...
	United Kingdom	74	...	...	156	...	...
	Belgium	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
Flanged, dished or curved	United States	232	...	2.3	828	...	11.8
	United Kingdom	...	...	...	...	...	...
Boiler, pulp-mill digesters	United States	771	...	...	1,129	...	...
	United Kingdom	251	...	...	523	...	...
	Belgium	...	...	...	30	...	...
	France	...	...	...	...	...	...
	Japan	...	...	...	27	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, March, 1952 and Year to Date (Continued)

Commodity	Country of origin	M a r c h			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates - (concluded)							
Chequered or surface pattern	United States	995	...	...	2,492	...	...
	United Kingdom	217	...	...	272	...	...
	Belgium	...	...	...	20	...	...
Painted	United States	...	...	...	...	...	...
Sheets -							
Silicon .075 or more	United States	...	2,076	...	...	7,731	...
	United Kingdom	...	8	...	...	47	...
Galvanized	United States	1,436	...	...	3,878	...	...
	United Kingdom	95	...	...	466	...	...
	France	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
Hot rolled -							
18 gauge and heavier	United States	8,133	25	93.7	26,726	156	366.3
	Germany	176	...	...	769	...	...
	Belgium	412	...	...	1,433	...	...
	United Kingdom	272	...	23.6	697	...	73.4
	France	...	...	...	...	...	...
	Sweden	...	...	...	...	2	...
	Japan	667	...	...	1,217	...	...
Lighter than 18 gauge	United States	117	16	26.1	1,025	67	105.4
	United Kingdom	31	...	1.2	108	...	1.2
	Belgium	...	...	...	...	...	...
	France	...	...	...	...	...	...
	Japan	...	...	...	...	...	...
For cold rolling	United States	...	...	...	43	...	...
For hollow ware (vitreous enamel) .	United States	267	...	...	630	...	...
	United Kingdom	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
	France	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
Corrugated	United States	369	...	...	1,829	...	...
	United Kingdom	12	...	...	51	...	...
Coated with paint, tar, asphaltum, etc.	United States	30	...	...	141	...	...
	Germany	...	...	...	...	...	...
For saws	United States	24	53	...	75	187	...
	United Kingdom	...	...	...	3	5	...
For cold rolled strip	United States	...	...	...	...	...	...
For tubes	United States	223	...	...	457	...	...
Cold rolled -							
18 gauge and heavier	United States	2,280	...	104.3	10,990	21	278.3
	United Kingdom	48	...	...	74	...	...
	Belgium	...	...	...	...	...	...
	Italy	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
	France	...	...	...	...	...	...
Lighter than 18 gauge	United States	2,914	...	125.7	10,270	...	348.4
	United Kingdom	204	...	7.4	355	...	8.9
	Sweden	...	...	...	...	...	...
	France	...	...	...	...	...	...
	Belgium	...	...	...	25	...	...
	Germany	...	...	...	...	...	...
For hollow ware (vitreous enamel)	United States	142	...	...	808	...	...
	United Kingdom	...	...	...	...	...	...
	France	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
Black plate - Tin mill	United States	27	...	...	115	...	...
	United Kingdom	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, March, 1952 and Year to Date (Continued)

Commodity	Country of origin	M a r c h			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Cold rolled - (concluded)							
Coated with paint, tar, asphaltum, etc.	United States	37	...	...	174	...	...
	United Kingdom	...	...	...	...	...	...
	Sweden	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
For heating apparatus	United States	...	...	...	140	...	...
For saws	United States	3	1	...	6	1	...
	Sweden	...	...	...	3	1	...
For tubes	United States	753	...	...	1,342	...	...
Tin plate - Primes	United States	17	...	...	17	...	...
	United Kingdom	14	...	...	118	...	...
- Seconds	United Kingdom	...	...	...	...	...	...
- Electrolytic 25#	United States	40	...	...	66	...	...
	United Kingdom	...	...	...	3	...	...
Terne plate - Long	United States	335	...	...	1,512	...	...
	United Kingdom	...	...	...	7	...	...
Short	United States	285	...	...	583	...	...
	United Kingdom	...	...	...	12	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,881	29	4.2	6,764	33	6.8
	United Kingdom	20	...	...	64	...	...
	Belgium	30	...	...	154	...	...
	France	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
Lighter than 18 gauge	United States	226	41	45.5	536	41	93.6
	United Kingdom	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
	France	...	...	...	...	...	...
For cold rolling	United States	135	...	...	701	...	...
	United Kingdom	20	...	...	20	...	...
Painted	United States	...	...	...	11	...	...
	United Kingdom	...	...	...	...	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	75	...	...	75	...	...
For saws	United States	50	6	...	194	14	...
	United Kingdom	...	...	...	2	...	...
	Sweden	...	2	...	...	5	...
For motor vehicles	United States	1,234	...	...	5,008	...	...
	Belgium	...	...	...	...	...	...
For hoops	United States	141	...	...	381	...	...
	United Kingdom	29	...	...	29	...	...
	Belgium	...	...	...	...	...	...
	Sweden	...	...	...	...	...	...
For tubes	United States	344	...	...	649	...	...
	Belgium	...	...	...	...	...	...
For tubular products	United States	...	...	...	42	...	...
Silicon .075 or more	United States	...	...	...	...	...	...
Cold rolled -							
18 gauge and heavier	United States	757	28	60.3	1,582	37	212.3
	United Kingdom	...	...	...	...	...	...
	Sweden	28	...	...	29	...	...
	Germany	...	...	...	11	...	...
	Belgium	...	...	...	...	...	...
Lighter than 18 gauge	United States	757	3	65.5	1,990	25	199.0
	Sweden	...	...	...	42	1	...
	United Kingdom	...	...	...	48	...	.9
	France	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
	Germany	...	...	...	4	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, March, 1952 and Year to Date (Continued)

Commodity		Country of origin	M a r c h			Year to date		
			Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)								
Strip - (concluded)								
Cold rolled - (concluded)								
Painted	United States	744	...	...	3,122	...	...
	Germany	...	...	...	15	...	...
	United Kingdom	...	...	...	...	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...	25	...	...
	United Kingdom	...	...	...	...	...	...
For saws	United States	7	33	...	11	84	...	
	Sweden	6	2	...	8	17	...	
	United Kingdom	...	...	...	...	...	...
For tubes	United States	337	...	...	961	38	...
	France	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
For tubular products	United States	373	...	...	893	...	...
For butt hinges	United States	344	...	...	1,195	...	...
	United Kingdom	28	...	...	28	...	...
	Sweden	4	...	...	4	...	...
Silicon .075 or more	United States	...	...	...	...	...	...
For hoops	United States	29	...	...	68	...	...
	United Kingdom	27	...	...	27	...	...
Galvanized strip	United States	711	...	...	1,935	...	...
	United Kingdom	90	...	...	162	...	...
	Germany	...	...	...	20	...	...
Skelp -								
15 ³ / ₈ " in width	United States	10,678	...	...	31,348	...	...
	France	...	...	...	563	...	...
	Belgium	2,717	...	...	3,319	...	...
	United Kingdom	440	...	...	1,576	...	...
	Germany	...	...	...	325	...	...
Over 15 ³ / ₈ " in width	United States	798	...	...	2,044	...	...
	Germany	...	...	...	...	...	...
Plate	United States	152	...	...	1,038	...	...
Pipes and tubes -								
Cast	United States	35	...	...	90	...	...
	United Kingdom	310	...	...	1,636	...	...
	Germany	...	...	...	...	...	...
	Sweden	...	...	...	...	...	...
Bedstead	United States	...	...	...	...	...	...
	France	...	...	...	...	...	...
	United Kingdom	...	...	...	4	...	...
	Belgium	...	...	...	...	...	...
	Denmark	...	...	...	...	...	...
	Sweden	...	...	...	...	...	...
Repair of pressure parts of boilers -								
Hot finished	United States	758	8	11.3	2,431	42	11.3	
	United Kingdom	241	...	...	1,344	...	21.5
	Sweden	...	...	...	...	...	...
	France	...	...	...	...	...	...
Cold drawn	United States	116	...	...	649	8	14.6
	United Kingdom	52	...	...	547	6	1.4
	Sweden	2	...	...	3	...	...
Welded	United States	27	...	...	364	...	.8
	United Kingdom	...	...	...	56	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, March, 1952 and Year to Date (Continued)

Commodity	Country of origin	M a r c h			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes - (concluded)							
Seamless, 12" and under in diameter -							
Cold drawn	United States	590	28	16.9	1,883	157	51.7
	United Kingdom	173	4	19.6	638	7	40.7
	Sweden	18	...	...	64	...	...
	Germany	...	...	...	45	...	...
Hot finished	United States	1,322	62	2.9	3,134	306	10.2
	United Kingdom	1,748	...	1.3	2,199	...	5.5
	Czechoslovakia	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
	France	...	...	...	...	...	...
	Sweden	...	67	...	...	67	...
Seamless, over 12" in diameter -							
Hot finished	United States	443	...	...	1,280	34	...
	United Kingdom	...	...	...	132	...	...
Welded, 4" and under in diameter	United States	468	...	4.5	1,361	...	6.2
	United Kingdom	375	...	...	1,413	...	...
	Belgium	...	...	...	...	...	...
	Czechoslovakia	...	...	...	...	...	...
	Holland	...	...	...	...	...	...
	Germany	6	...	...	6	...	...
	France	...	...	...	...	...	...
Welded, over 4" in diameter	United States	480	...	...	750	...	.6
	United Kingdom	222	...	...	239	...	...
	Germany	...	...	...	...	...	...
	Belgium	13	...	...	13	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	38	...	...	115	...	...
Spiral welded	United States	344	...	...	489	...	...
Casings	United States	3,011	...	...	9,119	...	...
	United Kingdom	171	...	...	3,214	...	...
	Germany	...	...	...	...	...	...
	Netherlands	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
	France	...	...	...	...	...	...
	Italy	...	...	...	...	...	...
Fittings and couplings	United States	384	...	1.9	1,071*	...	7.4
	United Kingdom	28	...	...	46	...	...
	Germany	18	...	...	18	...	...
	Sweden	...	...	...	1	...	...
Wire rope							
	United States	65	...	...	473*	...	2.7
	United Kingdom	35	...	...	209*	...	...
	Belgium	...	...	...	...	...	...
	Germany	6	...	...	6	...	...
	Holland	...	...	...	27	...	...
	France	...	...	...	...	...	...
Wire for rope	United States	2,720	...	...	7,851*	...	.6
	United Kingdom	589	...	...	2,283*	...	3.0
	Norway	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
	Germany	18	...	...	48	...	...
Wire - For fencing, galvanized	United States	...	...	...	...	...	...
For corset laces, steels, etc. .	United States	3	...	...	18	...	...
	United Kingdom	...	...	...	...	...	...
For spring mattresses, etc.	United States	222	912*
	United Kingdom	6
	Czechoslovakia
	Belgium
	Germany

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Table 14 - Imports of Primary Forms of Iron and Steel, March, 1952 and Year to Date (Continued)

Commodity	Country of origin	M a r c h			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire cloth and netting	United States	19	...	...	253	...	...
	United Kingdom	23	...	...	44	...	...
	Germany	...	...	...	...	...	...
Wire, coated	United States	139	...	...	413*	...	...
	United Kingdom	...	...	...	56	...	...
	France	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
Wire, all other	United States	236	1	.4	2,241*	2	4.0
	United Kingdom	8	...	...	22	...	...
	Germany	1	...	.4	5	...	.4
	Italy	19	...	...	19	...	...
	Sweden	2	...	...	8	...	...
	Belgium	50	...	...	173	...	...
	United States	223	...	...	329	1	...
Wire rods, not over $\frac{3}{8}$ " in diameter	France	...	...	...	...	...	...
	Belgium	66	...	...	1,665	...	...
	Germany	...	...	...	476	...	...
	United Kingdom	...	...	...	...	...	...
	Sweden	...	...	...	...	...	...
	United States	293	...	1.8	501	22	17.7
	Belgium	157	...	...	157	...	...
Welding wire and welding rods	Japan	88	...	...	88	...	...
Castings -							
For agricultural implements	United States	237	...	...	1,372	38	...
	United Kingdom	...	...	...	...	...	...
For ingot moulds	United States	2,920	...	...	7,740	...	...
	United Kingdom	...	...	...	24	...	...
Malleable	United States	57	...	...	256	...	...
	United Kingdom	...	...	...	1	...	...
Non-malleable	United States	12	...	...	197	...	...
	United Kingdom	...	...	...	...	...	...
Steel	United States	58	9	...	112	24	.9
	Germany	...	...	...	1	...	...
	United Kingdom	...	...	...	...	...	...
For railway vehicles	United States	10	...	...	58	...	...
	France	...	...	...	...	...	...
Rolls	United States	108	52	...	935	165	...
	United Kingdom	...	...	...	21	4	...
Piston rings (rough)	United States	11	...	...	28	...	...
Forgings	United States	287	3	...	812	34	1.3
	United Kingdom	208	...	...	557	...	...
	Germany	...	...	...	...	...	...
Wheels - For railway rolling stock	United States	7	...	...	74	...	...
	United Kingdom	148	...	...	927	...	...
Tires - For railway rolling stock	United States	21	...	...	51	...	...
	United Kingdom	131	...	...	477	...	...
Rails - 60 lb. and under	United States	170	...	...	740	...	...
	Belgium	...	...	...	74	...	...
	France	...	...	...	106	...	...
	Germany	...	...	...	33	...	...
	United Kingdom	...	...	...	...	...	...
Over 60 lb and including 100 lb.	United States	666	...	...	1,541	...	...
	United Kingdom	...	...	...	...	...	...
Over 100 lb.	United States	42	...	...	111	...	...
	United Kingdom	...	...	...	...	...	...
Axles - For railway vehicles	United States	21	63
	United Kingdom	76

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, March, 1952 and Year to Date (Concluded)

Commodity	Country of origin	M a r c h			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Track material -							
Angles, bars, tie plates, rail joints	United States	169	...	...	635	...	...
	Belgium	...	...	...	...	...	...
	France	...	...	...	...	...	...
	United Kingdom	...	...	...	...	...	...
	Germany	...	...	...	1	...	...
Intersections, switches, frogs	United States	524	...	...	634	...	...
	France	...	...	...	4	...	...
	Belgium	...	...	...	3	...	...
Total Imports	United States	121,559	3,880	688.0	366,891*	12,114	2,074.5
	All other	32,377	126	58.4	111,324*	447	196.9
TOTAL		153,936	4,006	746.4	478,215*	12,561	2,271.4

* = Year to date figures revised.

Table 15 - Exports of Primary Iron and Steel, March, 1952 and Year to Date

	M a r c h		Year to date
	(Tons of 2,000 pounds)		
Pig iron	21,088		83,050
Ingots, blooms and billets	221		11,646
Bars	2,614		6,670
Rods	16		82
Plates, sheets and strips	2,260		6,388
Rails .....	...		...
Structural shapes	833		1,543
Pipe and tubing - Wrought iron	92		204
Cast iron	33		310
Galvanized	681		785
Other	173		438
Castings, iron and steel	1,743		4,802
Forgings	85		1,055
Total	29,839		116,973

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DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

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Pig iron - Production of pig iron in Canada amounted to 214,330 tons in April compared with 211,112 tons in the corresponding month of last year. The total for the current month included 172,341 tons of basic iron, 9,139 tons of foundry iron and 32,850 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in April amounted to 19,856 tons compared with 23,097 tons in the previous month and with 19,552 tons in April of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel ingots and castings - Production of steel ingots and steel castings during April totalled 316,641 tons compared with 312,005 tons in April of last year. Output in the month under review included 304,956 tons of ingots and 11,685 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During April 1951 and 1952

	April, 1951		April, 1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	165,435	10,027	172,341	7,905
Foundry	19,541	17,318	9,139	12,053
Malleable	26,136	27,463	32,850	27,454
Total Pig iron	211,112	54,808	214,330	47,412
<u>Ferro-alloys</u> -	19,552	Not available	19,856	19,455

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Four Months Ended April, 1951 and 1952.

	1951		1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	627,379	29,265	667,538	47,750
Foundry	106,853	104,565	68,042	66,526
Malleable	91,842	95,734	127,820	115,430
Total Pig iron	826,074	229,564	863,400	229,706
<u>Ferro-alloys</u> -	72,979	Not available	86,582	85,880

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During April, 1951 and 1952 and Four Months Ended April 1951 and 1952

	April, 1951	April, 1952	Four months ended April,	
			1951	1952
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	108,832	114,256	428,913	484,584
Imported	264,300	277,943	1,007,599	1,072,306
Mill cinder, scale, sinter, etc. ..	39,032	31,670	168,080	132,311
Limestone	78,822	75,677	306,280	332,744
Dolomite	12,642	19,796	50,783	65,536
Coke	192,649	203,555	758,508	817,384
Scrap iron and steel	6,319	6,592	21,132	24,375

Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd.	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		15	3,025,000

Table 5 - Description of Iron Blast Furnaces at end of April, 1952

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	per cent
In blast	13	2,769,950	91.6
Banked .....	...	...	...
Blown out	2	255,050	8.4
Total	15	3,025,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During April, 1951 and 1952

	April, 1951		April, 1952	
	Tonnage made (★)	Tonnage sold	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	254,448	9,348	252,648	15,604
Electric	47,316	5,910	52,308	5,628
Total Steel ingots	301,764	15,258	304,956	21,232
Alloy steel ingots included in above ...	17,061	...	22,251	15
<u>Steel castings</u>				
Open hearth - basic	2,437	2,256	3,183	2,865
Converter	11	11	56	10
Electric	7,793	6,266	8,446	6,082
Total Steel castings	10,241	8,533	11,685	8,957
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant			96	101
(b) High alloy, manganese and abrasion resistant	2,008	1,087	1,098	875
(c) All other alloys			1,138	290

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Four Months Ended April, 1951 and 1952

	1951		1952	
	Tonnage made (★)	Tonnage sold	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	992,210	46,086	1,023,972	66,840
Electric	184,467	22,769	208,936	28,556
Total Steel ingots	1,176,677	68,855	1,232,908	95,396
Alloy steel ingots included in above ...	68,502	5,206	72,775	84

Table 7 - Cumulative Production and Sales for the Four Months Ended April, 1951 and 1952 (Concluded)

	1 9 5 1		1 9 5 2	
	Tonnage made (★)	Tonnage sold	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel castings</u>				
Open hearth - basic	10,158	9,371	12,450	11,432
Converter	48	46	91	30
Electric	30,981	23,447	33,487	24,657
Total Steel castings	41,187	32,864	46,028	36,119
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	8,414	4,126	362	363
(b) High alloy, manganese and abrasion resistant			8,984	7,575
(c) All other alloys			3,391	1,391

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During April, 1951 and 1952, and Four Months Ended April, 1951 and 1952

	A p r i l 1 9 5 1	A p r i l 1 9 5 2	Four months ended April, 1 9 5 1 1 9 5 2	
(Net tons of 2,000 pounds)				
Pig iron	158,094	162,790	609,413	681,184
Scrap - Own make	83,664	91,515	339,589	349,219
Purchased	97,009	90,547	371,847	366,270

Table 9 - Steel Furnace Capacity at First of January, 1951

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total ingots	3,630,900
Steel castings	305,200
Total ingots and castings .	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
1 9 5 1					
January	201,131	19,062	299,410	10,243	309,653
February	193,228	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
Total - Four months ..	826,074	72,979	1,176,677	41,187	1,217,864
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
October	224,511	25,777	298,159	11,255	309,414
November	223,467	22,271	295,485	11,590	307,075
December	220,537	20,675	286,755	9,790	296,545
Total	2,552,696	250,930	3,446,125	121,236	3,567,361

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952 (Concluded)

Table 10 - Monthly Production of Pig iron, Ferro-alloys and Steel, 1951 and 1952 (continued)					
Month	Pig iron	Ferro-alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 5 2</u>					
January	209,153	21,458	305,721	11,313	317,034
February	199,162	22,171	294,346	11,519	305,865
March	240,755	23,097	327,885	11,511	339,396
April	214,330	19,856	304,956	11,685	316,641
Total - Four months ..	863,400	86,582	1,232,908	46,028	1,278,936

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 268,979 net tons in April, 1952 compared with 265,431 tons in April, 1951. The April shipments included 278 tons of semi-finished shapes, 23,387 tons of structurals, 18,285 tons of plates, 21,487 tons of rails, 9,202 tons of tie plates and track material, 44,904 tons of hot rolled bars, 29,732 tons of pipes and tubes, 30,563 tons of wire rods, 23,348 tons of black sheets, 9,846 tons of galvanized sheets, 11,077 tons of castings, and 36,235 tons of other rolled products. The amount of producers' interchange was 156,746 tons in April, 1952 as against 145,517 tons in April, 1951.

Of the amounts shipped for sale during April, 53,177 tons went direct to railways and railway car shops; 10,233 tons went to pressing, forming and stamping plants; 38,830 tons to merchant trade products; 30,142 tons to building construction; 18,608 tons to the containers industry; 12,545 tons to agricultural equipment; 14,124 tons to the automotive industry; 21,850 tons to machinery plants; 5,058 tons to shipbuilding; 19,271 tons to mining, lumbering, etc., and 10,023 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 30,737 tons, and exports for 4,381 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 156,746 tons in April, 1952.

Table 11 - Production and Producers' Shipments for Sale of Primary Iron and Steel Shapes, April, 1952

	Production	S h i p m e n t s	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	12,357	9,210	4,147
Other semi-finished shapes, not for re-rolling by makers	39,866	278	48,504
Structural shapes and piling	21,536	23,387	...
Plates	18,026	18,228	...
Rails	21,126	21,487	...
Tie plates and track material: Splice bars	2,398	2,392	...
Tie plates	5,347	5,127	...
Spikes	1,735	1,683	...
Concrete reinforcing bars	9,548	8,134	...
Hot rolled bars for cold finishing	1,024	...	970
Other hot rolled bars	46,519	37,159	10,481
Pipes and tubes	28,581	29,732	...
Wire rods	29,434	30,497	93
Hot rolled black sheets	59,803	11,187	45,994
Cold reduced black sheets	17,602	12,161	5,274
Galvanized sheets	9,398	9,846	...
Steel castings	8,962	8,742	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	73,179	26,865	40,839
Total - Carbon Steel	406,441	256,115	156,302

Table 11 - Production and Producers' Shipments for Sale of Primary Iron and Steel Shapes, April, 1952
(Concluded)

(concluded)

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Alloy Steel</u>			
Billets, etc., for forging	1,561	1,425	...
Other semi-finished shapes, not for re-rolling by makers ..	444	...	444
Structural shapes and piling .....	...	...	...
Plates	86	57	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	8,208	7,745	...
Pipes and tubes .....	...	...	...
Wire rods	101	66	...
Steel castings	2,707	2,335	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	1,257	1,236	...
Total - Alloy Steel	14,364	12,864	444

Table 12 - Production and Producers' Shipments for Sale of Primary Iron and Steel Shapes, Four Months Ended April, 1952.

April, 1932.

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
		(Tons of 2,000 pounds)	
<u>Carbon Steel</u>			
Billets, etc., for forging	37,487	21,612	14,646
Other semi-finished shapes, not for re-rolling by makers ..	194,749	9,114	191,821
Structural shapes and piling	67,590	70,711	...
Plates	76,610	75,898	19
Rails	91,874	92,805	...
Tie plates and track material - Splice bars	4,840	4,675	...
Tie plates	24,870	22,276	...
Spikes	6,013	6,026	...
Concrete reinforcing bars	47,838	45,030	...
Hot rolled bars for cold finishing	4,724	...	4,670
Other hot rolled bars	194,665	156,704	38,171
Pipes and tubes	92,532	89,675	...
Wire rods	117,952	118,258	285
Hot rolled black sheets	251,950	44,019	205,246
Cold reduced black sheets	78,971	54,552	23,560
Galvanized sheets	40,219	40,192	3
Steel castings	36,282	35,724	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	267,038	117,292	137,163
Total - Carbon Steel	1,636,204	1,004,563	615,584
<u>Alloy Steel</u>			
Billets, etc., for forging	4,970	4,658	...
Other semi-finished shapes, not for re-rolling by makers ..	1,012	...	1,012
Structural shapes and piling .....	...	...	...
Plates	369	499	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	34,273	33,395	20
Pipes and tubes .....	...	...	...
Wire rods	276	240	...
Steel castings	9,862	8,903	...
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	5,205	5,283	...
Total - Alloy Steel	55,967	52,978	1,032

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 13 - Producers' Shipments for Sale of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, April and Year to Date, 1952

	A p r i l		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	7,592	6,532	33,933	25,278
Agricultural, including farm machinery ...	12,351	194	50,827	1,417
Building construction	30,091	51	126,410	476
Containers industry	18,601	7	83,364	21
Machinery and tools	20,996	854	69,726	3,980
Merchant trade products	38,574	256	147,566	968
Mining, lumbering, etc.	18,068	1,203	51,315	5,441
National defence	6,899	554	24,545	2,532
Pressing, forming and stamping	10,176	57	46,363	408
Public works and utilities	1,390	43	6,547	206
Railway operating	35,742	190	151,231	954
Railway cars and locomotives	17,004	241	69,672	1,072
Shipbuilding	4,916	142	15,005	573
Miscellaneous and unclassified	904	233	4,046	703
Wholesalers and warehouses	30,544	193	106,796	626
Direct export (a) to British Empire	950	1,084	3,881	4,773
(b) to other countries	1,317	1,030	13,336	3,550
Total Shipped for Sale	256,115	12,864	1,004,563	52,978
Producers' interchange	156,302	444	615,584	1,032

Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1952.

Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1933.							
Commodity	Country of origin	A p r i l			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	951	...	...	1,339	...	...
Malleable	United States	...	...	...	86	...	...
Ingots	United States	3,783	...	...	37,495	...	...
Billets, blooms, slabs and sheet bars .	United States	48	10	...	4,731	509	...
	United Kingdom	...	...	...	...	9	...
Tube rounds and tube billets	United States	861	...	...	3,833	1	...
	Belgium	...	...	...	35	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	5,919	905	22.9	27,438	2,638	84.5
	United Kingdom	325	53	2.3	1,672	170	32.2
	Belgium	5,408	...	...	23,132	...	...
	France	1,267	...	...	4,554	...	...
	Japan	1,253	...	...	2,420	...	...
	Germany	...	...	...	344	...	...
	Sweden	...	...	...	15	...	...
Hot rolled -							
For agricultural implements	United States	1,003	20	...	7,583	52	...
	United Kingdom	...	...	...	226	...	...
	Belgium	...	...	...	219	...	...
	France	...	...	...	20	...	...
Rounds over 4 ⁷ / _{8"} , squares over 4" ...	United States	59	4	...	428	14	...
	United Kingdom	31	4	...	91	32	...
Angles, channels, etc.	United States	1,025	31	2.6	4,026	46	8.0
	Belgium ...	1,319	...	...	4,058	...	...
	United Kingdom	...	...	...	426	...	...
	France	110	...	...	1,222	...	...
	Japan	...	...	...	114	...	...
	Germany	...	...	...	16	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1952 (Continued)

Commodity	Country of origin	A p r i l			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Bars and sections - (concluded)							
Hot rolled - (concluded)							
Structurals (bar sizes) for agri- cultural implements	United States	700	...	...	3,785	...	...
	United Kingdom	22	...	...	22	...	...
Sash or casement sections	United States	263	...	...	1,132	...	...
	Belgium	11	...	...	80	...	...
	Germany	...	...	...	45	...	...
Cold rolled, n.o.p.	United States	497	42	4.2	2,425	58	10.0
	United Kingdom	121	9	...	458	13	2.2
	Belgium	34	...	...	427	...	...
	France	...	...	...	1,477	...	...
	Sweden	...	...	...	44	...	...
	Germany	...	...	...	536	...	...
Cold rolled, for agricultural implements	United States	469	...	...	1,829	8	...
	United Kingdom	...	...	...	3	...	...
	Belgium	...	...	...	63	...	...
Tool steel	United States	13	332	...	262	714	...
	United Kingdom	22	164	...	50	291	...
	Belgium	...	...	...	127	...	...
Structurals	United States	13,571	...	...	70,785	7	1.3
	United Kingdom	1,592	...	...	7,028	...	...
	Belgium	5,567	...	...	22,363	...	...
	France	332	...	...	5,062	...	...
	Germany	102	...	...	793	...	...
	Japan	...	...	...	420	...	...
Plates -							
78" and under in width	United States	11,617	25	123.3	45,953	123	356.1
	United Kingdom	1,878	...	...	6,046	...	7.9
	Germany	139	...	...	3,600	...	...
	France	1,360	...	...	2,601	...	...
	Japan	2,539	...	...	5,382	...	...
	Austria	89	...	...	498	...	...
	Italy	29	...	...	29	...	...
	Belgium	1,012	...	...	4,001	...	...
Over 78" and under 100" in width ..	United States	2,533	50	17.4	17,519	51	33.1
	United Kingdom	2,611	...	...	5,971	...	...
	France	51	...	...	136	...	...
	Japan	528	...	...	805	...	...
	Austria	...	...	...	168	...	...
	Germany	8	...	...	176	...	...
	Belgium	119	...	...	194	...	...
100" in width and over	United States	550	...	...	3,169	44	...
	United Kingdom	...	...	...	156	...	...
Flanged, dished or curved	United States	239	...	.7	1,067	...	12.5
Boiler, pulp-mill digesters	United States	393	...	...	1,522	...	...
	United Kingdom	178	...	...	701	...	...
	Belgium	...	...	...	30	...	...
	Japan	...	...	...	27	...	...
Chequered or surface pattern	United States	856	...	...	3,348	...	...
	United Kingdom	7	...	...	279	...	...
	Belgium	...	...	...	20	...	...
Sheets -							
Silicon .075 or more	United States	...	1,329	...	...	9,060	...
	United Kingdom	...	19	...	...	66	...
Galvanized	United States	812	...	...	4,690	...	...
	United Kingdom	310	...	...	776	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1952 (Continued)

Commodity	Country of origin	A p r i l			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Hot rolled -							
18 gauge and heavier	United States	7,683	61	45.8	34,409	217	412.1
	Germany	125	...	...	894	...	...
	Belgium	229	...	...	1,662	...	...
	United Kingdom	403	...	12.0	1,100	...	85.4
	France	2	...	...	2	...	...
	Sweden	...	...	...	...	2	...
	Japan	611	...	...	1,828	...	...
Lighter than 18 gauge	United States	511	...	17.4	1,536	67	122.8
	United Kingdom	63	...	1.3	171	...	2.5
	Belgium	...	...	...	...	...	...
	France	...	...	...	...	...	...
	Japan	...	...	...	...	...	...
For cold rolling	United States	...	...	...	43	...	...
For hollow ware (vitreous enamel).	United States	164	...	...	794	...	...
	United Kingdom	13	...	...	13	...	...
	Belgium	...	...	...	...	...	...
	France	...	...	...	...	...	...
Corrugated	United States	255	...	...	2,084	...	...
	United Kingdom	10	...	...	61	...	...
Coated with paint, tar, asphaltum, etc.	United States	39	...	...	180	...	...
For saws	United States	...	32	...	75	219	...
	United Kingdom	...	5	...	3	10	...
For cold rolled strip	United States	...	...	...	...	...	...
For tubes	United States	38	...	...	495	...	...
Cold rolled -							
18 gauge and heavier	United States	1,760	...	74.5	12,750	21	352.8
	United Kingdom	150	...	...	224	...	...
	Belgium	...	...	...	...	...	...
	Italy	...	...	...	...	...	...
Lighter than 18 gauge	United States	2,159	21	74.9	12,429	21	423.3
	United Kingdom	288	...	...	643	...	8.9
	Belgium	...	...	...	25	...	...
	France	...	...	...	...	...	...
For hollow ware (vitreous enamel).	United States	548	...	...	1,356	...	...
	United Kingdom	30	...	...	30	...	...
	France	...	...	...	...	...	...
Black plate - Tin mill	United States	38	...	...	153	...	...
Coated with paint, tar, asphaltum, etc.	United States	42	...	...	216	...	...
For heating apparatus	United States	...	...	...	140	...	...
For saws	United States	...	...	...	6	1	...
	Sweden	...	...	...	3	1	...
For tubes	United States	138	...	...	1,480	...	...
Tin plate--Primes	United States	7	...	...	24	...	...
	United Kingdom	7	...	...	125	...	...
Electrolytic 25#	United States	30	...	...	96	...	...
	United Kingdom	...	...	...	3	...	...
Terne plate--Long	United States	381	...	...	1,893	...	...
	United Kingdom	...	...	...	7	...	...
Short	United States	191	...	...	774	...	...
	United Kingdom	...	...	...	12	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	2,546	...	...	9,310	33	6.8
	Belgium	25	...	...	179	...	...
	United Kingdom	25	...	...	89	...	...
Lighter than 18 gauge	United States	78	41	.3	614	82	93.9
	United Kingdom	...	1	...	...	1	...
	Belgium	6	...	...	6	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1952 (Continued)

		A p r i l			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
Strip - (Concluded)		(Tons of 2,000 pounds)					
Hot rolled - (concluded)							
For cold rolling	United States	83	...	...	784	...	...
	United Kingdom	...	...	...	20	...	...
Painted	United States	6	...	...	17	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...	75	...	...
	United Kingdom	27	...	...	27	...	...
For saws	United States	8	16	...	202	30	...
	United Kingdom	...	...	...	2	...	...
	Sweden	...	...	...	...	5	...
For motor vehicles	United States	1,385	...	...	6,393	...	...
For hoops	United States	99	...	...	480	...	...
	United Kingdom	62	...	...	91	...	...
	Belgium	54	...	...	54	...	...
For tubes	United States	112	3	...	761	3	...
	United Kingdom	...	14	...	...	14	...
For tubular products	United States	57	...	...	99	...	...
Silicon .075 or more	United States	...	...	...	...	...	...
Cold rolled -							
18 gauge and heavier	United States	354	6	55.1	1,936	43	267.4
	United Kingdom	47	...	...	47	...	...
	Sweden	...	...	...	29	...	...
	Germany	...	...	...	11	...	...
Lighter than 18 gauge	United States	515	173	29.3	2,505	198	228.3
	Sweden	21	...	...	63	1	...
	United Kingdom	13	...	...	61	...	.9
	Germany	...	18	...	4	18	...
Painted	United States	543	...	...	3,665	...	...
	Germany	...	...	...	15	...	...
	United Kingdom	...	...	...	...	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	19	...	...	44	...	...
	United Kingdom	81	...	...	81	...	...
For saws	United States	29	17	...	40	101	...
	Sweden	5	13	...	13	30	...
For tubes	United States	771	...	...	1,732	38	...
	France	...	...	...	...	...	...
For tubular products	United States	86	...	...	979	...	...
For butt hinges	United States	114	...	...	1,309	...	...
	United Kingdom	...	...	...	28	...	...
	Sweden	3	...	...	7	...	...
Galvanized strip	United States	506	...	...	2,441	...	...
	United Kingdom	73	...	...	235	...	...
	Germany	...	...	...	20	...	...
For hoops	United States	...	...	...	68	...	...
	United Kingdom	...	...	...	27	...	...
Skelp -							
15 ³ / ₈ " in width	United States	5,455	...	...	36,803	...	...
	France	449	...	...	1,012	...	...
	Belgium	3,326	...	...	6,645	...	...
	United Kingdom	...	...	...	1,576	...	...
	Germany	...	...	...	325	...	...
Over 15 ³ / ₈ " in width	United States	...	...	...	2,044	...	...
Plate	United States	9,352	...	...	10,390	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1952 (Continued)

Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1952 (Continued)							
Commodity	Country of origin	A p r i l			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes -							
Cast	United States	45	...	...	135	...	...
	United Kingdom	859	...	...	2,495	...	...
Bedstead	United Kingdom	...	...	...	4	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	623	13	8.5	3,054	55	19.8
	United Kingdom	288	...	...	1,632	...	21.5
Cold drawn	United States	136	7	1.2	785	15	15.8
	United Kingdom	142	...	...	689	6	1.4
	Sweden	...	...	...	3	...	...
Welded	United States	362	...	...	726	...	.8
	United Kingdom	4	...	...	60	...	...
Seamless, 12" and under in diameter -	"						
Cold drawn	United States	374	43	29.4	2,257	200	81.1
	Sweden	3	...	...	67	...	...
	United Kingdom	140	3	15.3	778	10	56.0
	Germany	74	...	...	119	...	...
	Japan	3	...	...	3	...	...
Hot finished	United States	1,084	76	6.4	4,218	382	16.6
	United Kingdom	554	2	...	2,753	2	5.5
	Sweden	...	...	...	...	67	...
	Germany	36	...	...	36	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	293	...	1.5	1,573	34	1.5
	United Kingdom	2,378	...	...	2,510	...	...
Welded, 4" and under in diameter ...	United States	120	...	21.8	1,481	...	28.0
	United Kingdom	653	...	.8	2,066	...	.8
	Germany	...	...	...	6	...	...
	Czechoslovakia	...	...	...	...	...	...
Welded, over 4" in diameter	United States	3,166	...	...	3,916	...	.6
	United Kingdom	...	...	...	239	...	...
	Belgium	...	...	...	13	...	...
Tubing -							
Not over ½" diameter, welded and coated	United States	20	...	...	135	...	...
Spiral welded	United States	94	...	...	583	...	...
Casings	United States	4,666	...	...	13,785	...	...
	United Kingdom	...	...	...	3,214	...	...
	Germany	115	...	...	115	...	...
	Netherlands	...	...	...	...	...	...
Fittings and couplings	United States	614	1	3.1	1,685	1	10.5
	United Kingdom	8	...	...	54	...	...
	Germany	13	...	...	31	...	...
	Sweden	...	...	...	1	...	...
Wire rope	United States	26	...	1.2	499	...	3.9
	United Kingdom	50	...	...	259	...	...
	Holland	...	...	...	27	...	...
	Belgium	3	...	...	3	...	...
	Germany	2	...	...	8	...	...
Wire for rope	United States	2,893	...	...	10,744	...	.6
	United Kingdom	508	...	...	2,791	...	3.0
	West Germany	20	...	...	68	...	...
Wire -							
For corset laces, steels, etc.	United States	...	...	...	18	...	...
	United Kingdom	...	...	...	...	...	...
For spring mattress, etc.	United States	181	...	...	1,093	...	...
	United Kingdom	6	...	...	12	...	...
	Czechoslovakia	...	...	...	...	...	...
For fencing, galvanized	United States	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, April and Year to Date, 1952 (Concluded)

Commodity	Country of origin	A p r i l			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire cloth and netting	United States	128	...	...	381	...	.2
	United Kingdom	4	...	...	48	...	...
	Belgium	18	...	...	18	...	...
Wire, coated	United States	195	...	...	608	...	...
	United Kingdom	3	...	...	59	...	...
Wire, all other	United States	975	...	.4	3,216	2	4.4
	United Kingdom	4	...	.3	26	...	.3
	Belgium	...	...	...	173	...	...
	Italy	...	...	...	19	...	...
	Germany	1	...	...	6	...	.4
	France	50	...	...	50	...	...
	Sweden	16	...	...	24	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter ...	United States	228	...	...	557	1	...
	Germany	...	...	...	476	...	...
	Belgium	...	...	...	1,665	...	...
Welding wire and welding rods	United States	145	39	3.1	646	61	20.8
	Belgium	...	...	...	157	...	...
	Japan	...	...	...	88	...	...
	United Kingdom	1	...	...	1	...	...
Castings -							
For agricultural implements	United States	111	...	...	1,483	38	...
For ingot moulds	United States	2,134	...	...	9,874	...	...
	United Kingdom	628	...	...	652	...	...
Malleable	United States	188	...	...	444	...	...
	United Kingdom	...	...	...	1	...	...
Non-malleable	United States	25	...	...	222	...	...
Steel	United States	18	2	...	130	26	.9
	Germany	...	...	...	1	...	...
For railway vehicles	United States	7	...	...	65	...	...
Rolls	United States	277	161	...	1,212	326	...
	United Kingdom	...	...	...	21	4	...
	Germany	1	...	...	1	...	...
Piston rings (rough)	United States	28	...	...	56	...	...
Forgings	United States	108	37	...	920	71	1.3
	United Kingdom	151	...	...	708	...	...
Wheels - For railway rolling stock	United States	31	...	...	105	...	...
	United Kingdom	303	...	...	1,230	...	...
Tires - For railway rolling stock	United States	9	...	...	60	...	...
	United Kingdom	108	...	...	585	...	...
Axles - For railway vehicles	United States	...	...	...	63	...	...
	United Kingdom	37	...	...	113	...	...
Rails - 60 lb. and under	United States	155	...	...	895	...	...
	Belgium	44	...	...	118	...	...
	France	...	...	...	106	...	...
	Germany	...	...	...	33	...	...
Over 60 lb. and including							
100 lb.	United States	184	...	...	1,725	...	...
Over 100 lb.	United States	55	...	...	166	...	...
Track material -							
Angles, bars, tie plates, rail joints.	United States	261	...	...	896	...	...
	Belgium	69	...	...	69	...	...
	Germany	...	...	...	1	...	...
Intersections, switches, frogs	United States	211	...	...	845	...	...
	France	...	...	...	4	...	...
	Belgium	...	...	...	3	...	...
Total Imports	United States	102,434	3,497	545.2	469,325	15,611	2,619.7
	All other	41,819	305	32.0	153,143	752	228.9
TOTAL		144,253	3,802	577.2	622,468	16,363	2,848.6

Table 15 - Exports of Primary Iron and Steel, April and Year to Date, 1952

	A p r i l	Year to date
	(Tons of 2,000 pounds)	
Pig iron	16,158	99,208
Ingots, blooms and billets	235	11,881
Bars	1,933	8,603
Rods	3	85
Plates, sheets and strips	1,959	8,347
Rails .....	...	...
Structural shapes	561	2,104
Pipe and tubing - Wrought iron	204	408
Cast iron	122	432
Galvanized	134	919
Other	265	703
Castings, iron and steel	2,107	6,909
Forgings	259	1,314
TOTAL	23,940	140,913



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PRIMARY IRON AND STEELMAY - 1952

Pig Iron - Production of pig iron in Canada amounted to 237,079 tons in May compared with 218,989 tons in the corresponding month of last year. The total for the current month included 186,123 tons of basic iron, 20,337 tons of foundry iron and 30,619 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in May amounted to 21,112 tons compared with 19,856 tons in the previous month and with 23,542 tons in May of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during May totalled 330,524 tons compared with 313,312 tons in May of last year. Output in the month under review included 318,890 tons of ingots and 11,634 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During May, 1951 and 1952

	May - 1951		May - 1952	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	179,022	14,107	186,123	12,575
Foundry	22,621	25,781	20,337	18,162
Malleable	17,346	17,252	30,619	35,742
Total Pig iron	218,989	57,140	237,079	66,479
<u>Ferro-alloys -</u>	23,542	...	21,112	21,179

(*) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Five Months Ended May, 1951 and 1952

	1 9 5 1		1 9 5 2	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	806,356	43,372	853,661	60,325
Foundry	129,473	130,346	88,379	84,688
Malleable	109,188	112,986	158,439	151,172
Total Pig iron	1,045,017	286,704	1,100,479	296,185
<u>Ferro-alloys -</u>	96,521	...	107,694	107,059

(*) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During May, 1951 and 1952 and Five Months Ended May, 1951 and 1952

	M a y		Five months ended May	
	1 9 5 1	1 9 5 2	1 9 5 1	1 9 5 2
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	122,230	123,460	551,143	608,044
Imported	253,876	309,479	1,261,475	1,381,785
Mill cinder, scale, sinter, etc. ..	46,194	25,664	214,274	157,975
Limestone	79,308	87,372	385,588	420,116
Dolomite	13,835	19,344	64,618	84,880
Coke	199,655	221,093	958,163	1,038,477
Scrap iron and steel	6,798	9,993	27,930	34,368

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Table 4 - Iron Blast Furnaces

Name of Company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd. ..	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		15	3,025,000

Table 5 - Description of Iron Blast Furnaces at End of May, 1952

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	14	2,889,950	95.5
Banked .....	...	...	...
Blown out	1	135,050	4.5
Total	15	3,025,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During May, 1951 and 1952

	May - 1951		May - 1952	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	256,172	13,578	268,749	8,968
Electric	46,756	4,752	50,141	6,993
Total Steel ingots	302,928	18,330	318,890	15,961
Alloy steel ingots included in above	23,807	...	18,440	123
<u>Steel castings</u>				
Open hearth - basic	2,409	1,985	2,947	2,684
Converter	14	14	76	88
Electric	7,961	6,444	8,611	6,169
Total Steel castings	10,384	8,443	11,634	8,941
Alloy steel castings included in above:-				
(a) High alloy, except manganese and abrasion resistant	374	295	150	104
(b) High alloy, manganese and abrasion resistant.	788	824	1,122	1,024
(c) All other alloys	958	417	939	297

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Five Months Ended May, 1951 and 1952

	1951		1952	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	1,248,382	59,664	1,292,721	75,808
Electric	231,223	27,521	259,077	35,549
Total Steel ingots	1,479,605	87,185	1,551,798	111,357
Alloy steel ingots included in above	92,309	5,206	91,215	207

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Table 7 - Cumulative Production and Sales for the Five Months Ended May, 1951 and 1952 (Concluded)

	1 9 5 1		1 9 5 2	
	Tonnage made(*)	Tonnage sold	Tonnage made(*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel castings</u>				
Open hearth - basic	12,567	11,356	15,397	14,116
Converter	62	60	167	118
Electric	38,942	29,891	42,098	30,826
Total Steel castings	51,571	41,307	57,662	45,060
Alloy steel castings included in above:-				
(a) High alloy, except manganese and abrasion resistant			512	467
(b) High alloy, manganese and abrasion resistant)	10,534	5,662	10,106	8,599
(c) All other alloys			4,330	1,688

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During May, 1951 and 1952, and Five Months Ended May, 1952

	May 1 9 5 1	May 1 9 5 2	Five months ended May, 1952
	(Net tons of 2,000 pounds)		
Pig iron	160,181	171,335	852,519
Scrap - Own make	85,298	95,374	444,593
Purchased	94,485	95,249	461,519

Table 9 - Steel Furnace Capacity at First of January, 1951

	Annual Capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
<u>1 9 5 1</u>					
January	201,131	19,062	299,410	10,243	309,653
February	193,227	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
Total - Five months.	1,045,062	96,521	1,479,605	51,571	1,531,176
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
October	224,511	25,777	298,159	11,255	309,414
November	223,467	22,271	295,485	11,590	307,075
December	220,537	20,675	286,755	9,790	296,545
Total	2,552,696	250,930	3,446,125	121,236	3,567,361

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952 (Concluded)

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
<u>1 9 5 2</u>					
January	209,153	21,458	305,721	11,313	317,034
February	199,162	22,171	294,346	11,519	305,865
March	240,755	23,097	327,885	11,511	339,396
April	214,330	19,856	304,956	11,685	316,641
May	237,079	21,112	318,890	11,634	330,524
Total - Five months.	1,100,479	107,694	1,551,798	57,662	1,609,460

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 274,133 net tons in May, 1952 compared with 283,899 tons in May, 1951. The May shipments included 257 tons of semi-finished shapes, 11,993 tons of structurals, 20,806 tons of plates, 22,925 tons of rails, 10,415 tons of tie plates and track material, 53,286 tons of hot rolled bars, 29,920 tons of pipes and tubes, 27,487 tons of wire rods, 20,258 tons of black sheets, 9,596 tons of galvanized sheets, 11,275 tons of castings, and 45,877 tons of other rolled products. The amount of producers' interchange was 156,065 tons in May, 1952 as against 161,624 tons in May, 1951.

Of the amounts shipped for sale during May, 55,448 tons went direct to railways and railway car shops; 10,153 tons went to pressing, forming and stamping plants; 37,693 tons to merchant trade products; 33,161 tons to building construction; 21,836 tons to the containers industry; 12,345 tons to agricultural equipment; 14,159 tons to the automotive industry; 17,467 tons to machinery plants; 4,773 tons to shipbuilding; 22,918 tons to mining, lumbering, etc., and 10,563 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 27,105 tons, and exports for 6,512 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 156,065 tons in May, 1952.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, May, 1952.

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	11,543	8,250	4,215
Other semi-finished shapes, not for re-rolling by makers	42,461	257	39,899
Structural shapes and piling	9,699	11,993	...
Plates	21,195	20,650	...
Rails	22,281	22,925	...
Tie plates and track material: Splice bars	2,762	2,327	...
Tie plates	6,102	6,821	...
Spikes	1,157	1,267	...
Concrete reinforcing bars	14,383	13,296	...
Hot rolled bars for cold finishing	876	...	881
Other hot rolled bars	62,711	45,893	12,971
Pipes and tubes	30,841	29,920	...
Wire rods	27,331	27,412	106
Hot rolled black sheets	62,288	8,481	54,034
Cold reduced black sheets	16,738	11,777	5,304
Galvanized sheets	8,991	9,596	...
Steel castings	9,058	8,876	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	70,524	31,664	38,486
Total - Carbon Steel	420,941	261,405	155,896

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Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, May, 1952 (Concluded)

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Alloy Steel</u>			
Billets, etc., for forging	1,488	1,788	...
Other semi-finished shapes, not for re-rolling by makers	169	...	169
Structural shapes and piling .....	...	...	...
Plates	118	156	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	7,696	7,393	...
Pipes and tubes .....	...	...	...
Wire rods	33	75	...
Steel castings	2,575	2,399	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other) ...	1,140	917	...
Total - Alloy Steel	13,219	12,728	169

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Five Months Ended May, 1952

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	49,030	29,862	18,861
Other semi-finished shapes, not for re-rolling by makers	237,210	9,371	231,720
Structural shapes and piling	77,289	82,704	...
Plates	97,805	96,548	19
Rails	114,155	115,730	...
Tie plates and track material: Splice bars.....	7,602	7,002	...
Tie plates	30,972	29,097	...
Spikes	7,170	7,293	...
Concrete reinforcing bars	62,221	58,326	...
Hot rolled bars for cold finishing	5,600	...	5,551
Other hot rolled bars	257,376	202,597	51,142
Pipes and tubes	123,373	119,595	...
Wire rods	145,283	145,670	391
Hot rolled black sheets	314,238	52,500	259,280
Cold reduced black sheets	95,709	66,329	28,864
Galvanized sheets	49,210	49,788	3
Steel castings	45,340	44,600	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	337,562	148,956	175,649
Total - Carbon Steel	2,057,145	1,265,968	771,480
<u>Alloy Steel</u>			
Billets, etc., for forging	6,458	6,446	...
Other semi-finished shapes, not for re-rolling by makers	1,181	...	1,181
Structural shapes and piling .....	...	...	...
Plates	487	655	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	41,969	40,788	20
Pipes and tubes .....	...	...	...
Wire rods	309	315	...
Steel castings	12,437	11,302	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other) ...	6,345	6,200	...
Total - Alloy Steel	69,186	65,706	1,201

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

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Table 13 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, May, 1952 and Year to Date

	M a y		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	8,943	5,216	42,876	30,494
Agricultural, including farm machinery .	11,946	399	62,773	1,816
Building construction	33,069	92	159,479	568
Containers industry	21,833	3	105,197	24
Machinery and tools	16,394	1,073	86,120	5,053
Merchant trade products	37,486	207	185,052	1,175
Mining, lumbering, etc.	21,467	1,451	72,782	6,892
National defence	6,490	590	31,035	3,122
Pressing, forming and stamping	10,096	57	56,459	465
Public works and utilities	1,830	51	8,377	257
Railway operating	37,856	236	189,087	1,190
Railway cars and locomotives	16,829	527	86,501	1,599
Shipbuilding	4,635	138	19,640	711
Miscellaneous and unclassified	1,376	226	5,422	929
Wholesalers and warehouses	26,879	226	133,675	852
Direct export (a) to British Empire	744	940	4,625	5,713
(b) to other countries ...	3,532	1,296	16,868	4,846
Total Shipped for Sale	261,405	12,728	1,265,968	65,706
Producers' interchange	155,896	169	771,480	1,201

Table 14 - Imports of Primary Forms of Iron and Steel, May, 1952 and Year to Date

Commodity	Country of origin	M a y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	...	...	...	1,339	...	...
	Germany	...	...	...	...	...	...
Foundry	United States	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
Malleable	United States	...	...	...	86	...	...
	United Kingdom	...	...	...	...	...	...
Special	United States	...	...	...	...	...	...
	Holland	...	...	...	...	...	...
Ingots	United States	2,975	...	...	40,470	...	...
	Germany	...	...	...	...	...	...
Billets, blooms, slabs and sheet bars .	United States	...	1	...	4,731	510	...
	United Kingdom	...	3	...	...	12	...
	Germany	...	...	...	...	...	...
Tube rounds and tube billets	United States	479	53	...	4,312	54	...
	Belgium	...	...	...	35	...	...
	United Kingdom	178	...	...	178	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	4,687	1,420	4.9	32,125	4,058	89.4
	United Kingdom	497	52	2.9	2,169	222	35.1
	Belgium	7,980	...	...	31,112	...	...
	France	2,927	...	...	7,481	...	...
	Japan	1,079	...	...	3,499	...	...
	Germany	329	...	...	673	...	...
	Sweden	...	...	...	15	...	...
	Austria	...	...	...	...	...	...
Hot rolled -							
For agricultural implements	United States	1,700	74	...	9,283	126	...
	United Kingdom	...	...	...	226	...	...
	Belgium	35	...	...	254	...	...
	France	...	...	...	20	...	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4" ..	United States	74	3	...	502	17	...
	United Kingdom	15	74	1.1	106	106	1.1

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Table 14 - Imports of Primary Forms of Iron and Steel, May, 1952 and Year to Date (Continued)

Commodity	Country of origin	M a y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (concluded)							
Hot rolled - (concluded)							
Angles, channels, etc.	United States	1,440	90	2.1	5,466	136	10.1
	Belgium	1,811	...	...	5,869	...	...
	United Kingdom	79	...	...	505	...	...
	France	278	...	...	1,500	...	...
	Germany	...	...	...	16	...	...
	Japan	...	...	...	114	...	...
Structurals (bars sizes) for agri- cultural implements	United States	840	...	...	4,625	...	...
	United Kingdom	...	...	...	22	...	...
	France	...	...	...	...	...	...
Sash or casement sections	United States	76	...	...	1,208	...	...
	Belgium	...	...	...	80	...	...
	United Kingdom	...	...	...	...	...	...
	Germany	...	...	...	45	...	...
Cold rolled, n.o.p.	United States	757	1	2.9	3,182	59	12.9
	United Kingdom	179	15	...	637	28	2.2
	Belgium	...	...	...	427	...	...
	Sweden	...	...	...	44	...	...
	Germany	14	...	...	550	...	...
	France	12	...	...	1,489	...	...
Cold rolled, for agricultural implements	United States	345	...	...	2,174	8	...
	United Kingdom	6	...	...	9	...	...
	Belgium	20	...	...	83	...	...
Tool steel	United States	14	73	...	276	787	...
	United Kingdom	44	131	...	94	422	...
	Belgium	...	...	...	127	...	...
Structurals	United States	14,458	...	...	85,243	7	1.3
	United Kingdom	2,445	...	...	9,473	...	...
	Belgium	9,259	...	...	31,622	...	...
	France	2,508	...	...	7,570	...	...
	Germany	...	...	...	793	...	...
	Japan	...	...	...	420	...	...
Plates -							
78" and under in width	United States	13,121	12	109.7	59,074	135	465.8
	United Kingdom	2,570	...	.7	8,616	...	8.6
	France	1,225	...	...	3,826	...	...
	Germany	704	...	...	4,304	...	...
	Japan	6,429	...	...	11,811	...	...
	Belgium	1,521	...	...	5,522	...	...
	Austria	...	...	...	498	...	...
	Italy	...	...	...	29	...	...
Over 78" and under 100" in width	United States	3,981	...	25.6	21,500	51	58.7
	United Kingdom	1,879	...	...	7,850	...	...
	Belgium	146	...	...	340	...	...
	France	316	...	...	452	...	...
	Japan	...	...	...	805	...	...
	Austria	...	...	...	168	...	...
	Germany	...	...	...	176	...	...
100" in width and over	United States	428	...	...	3,597	44	...
	United Kingdom	583	...	...	739	...	...
	Belgium	5	...	...	5	...	...
	Japan	8	...	...	8	...	...
Flanged, dished or curved	United States	354	...	9.5	1,421	...	22.0
	United Kingdom	...	...	...	...	...	...
Boiler, pulp-mill digesters	United States	538	2,060
	United Kingdom	701
	Belgium	30
	France
	Japan	26	53

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, May, 1952 and Year to Date (Continued)

Commodity	Country of origin	M a y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Plates - (concluded)							
Chequered or surface pattern	United States	937	...	...	4,285	...	...
	United Kingdom	125	...	...	404	...	...
	Belgium	...	...	...	20	...	...
Painted	United States	...	...	...	...	...	...
Sheets -							
Silicon .075 or more	United States	...	1,842	...	...	10,902	...
	United Kingdom	...	44	...	...	110	...
Galvanized	United States	1,177	...	...	5,867	...	...
	United Kingdom	921	...	...	1,697	...	...
	France	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
Hot rolled -							
18 gauge and heavier	United States	5,737	87	18.9	40,146	304	431.0
	Germany	...	...	...	894	...	...
	Belgium	65	...	...	1,727	...	...
	United Kingdom	689	...	15.3	1,789	...	100.7
	France	...	...	...	2	...	...
	Sweden	...	...	...	...	2	...
	Japan	...	...	...	1,828	...	...
Lighter than 18 gauge	United States	230	...	.7	1,766	67	123.5
	United Kingdom	132	...	11.2	303	...	13.7
	Belgium	...	...	...	...	...	...
	France	...	...	...	...	...	...
	Japan	...	...	...	...	...	...
For cold rolling	United States	...	...	...	43	...	...
For hollow ware (vitreous enamel) .	United States	367	...	...	1,161	...	...
	United Kingdom	40	...	...	53	...	...
	Belgium	...	...	...	...	...	...
	France	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
Corrugated	United States	325	...	...	2,409	...	...
	United Kingdom	...	...	...	61	...	...
Coated with paint, tar, asphaltum, etc.	United States	41	...	...	221	...	...
	Germany	...	...	...	...	...	...
For saws	United States	6	54	...	81	273	...
	United Kingdom	1	7	...	4	17	...
For cold rolled strip	United States	...	...	...	...	...	...
For tubes	United States	...	...	...	495	...	...
Cold rolled -							
18 gauge and heavier	United States	1,624	1	115.0	14,374	22	467.8
	United Kingdom	23	...	8.3	247	...	8.3
	Belgium	...	...	...	...	...	...
	Italy	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
	France	...	...	...	...	...	...
Lighter than 18 gauge	United States	2,146	...	105.4	14,575	21	528.7
	United Kingdom	140	...	2.6	783	...	11.5
	Sweden	...	...	...	...	...	...
	France	...	...	...	...	...	...
	Belgium	...	...	...	25	...	...
	Germany	...	...	...	...	...	...
For hollow ware (vitreous enamel)	United States	299	...	...	1,655	...	...
	United Kingdom	...	...	...	30	...	...
	France	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
Black plate - Tin mill	United States	153
	United Kingdom

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, May, 1952 and Year to Date (Continued)

Commodity	Country of origin	M a y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Cold rolled - (concluded)							
Coated with paint, tar, asphaltum, etc.	United States	10	...	...	226	...	...
	United Kingdom	...	...	...	...	...	...
	Sweden	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
For heating apparatus	United States	...	...	...	140	...	...
For saws	United States	...	...	...	6	1	...
	Sweden	1	...	...	4	1	...
For tubes	United States	856	...	...	2,336	...	...
Tin plate - Primes	United States	1	...	...	25	...	...
	United Kingdom	89	...	...	214	...	...
- Seconds	United Kingdom	...	...	...	...	...	...
- Electrolytic 25#	United States	...	...	...	96	...	...
	United Kingdom	...	...	...	3	...	...
Terne plate - Long	United States	599	...	...	2,492	...	...
	United Kingdom	...	...	...	7	...	...
Short	United States	124	...	...	898	...	...
	United Kingdom	...	...	...	12	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	2,207	...	1.1	11,517	33	7.9
	United Kingdom	130	...	...	219	...	...
	Belgium	86	...	...	265	...	...
	France	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
Lighter than 18 gauge	United States	148	...	...	762	82	93.9
	United Kingdom	...	...	...	...	1	...
	Belgium	...	...	...	6	...	...
	France	...	...	...	...	...	...
For cold rolling	United States	263	...	...	1,047	...	...
	United Kingdom	...	...	...	20	...	...
Painted	United States	...	...	...	17	...	...
	United Kingdom	...	...	...	...	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	1	...	...	76	...	...
	United Kingdom	...	...	...	27	...	...
For saws	United States	1	15	...	203	45	...
	United Kingdom	...	...	...	2	...	...
	Sweden	1	3	...	1	8	...
For motor vehicles	United States	631	...	...	7,024	...	...
	Belgium	...	...	...	...	...	...
For hoops	United States	60	...	...	540	...	...
	United Kingdom	...	...	...	91	...	...
	Belgium	...	...	...	54	...	...
	Sweden	...	...	...	...	...	...
For tubes	United States	348	...	...	1,109	3	...
	United Kingdom	...	...	...	...	14	...
For tubular products	United States	...	...	...	99	...	...
Silicon .075 or more	United States	...	...	...	...	...	...
Cold rolled -							
18 gauge and heavier	United States	479	...	16.9	2,415	43	284.3
	United Kingdom	...	...	...	47	...	...
	Sweden	...	...	...	29	...	...
	Germany	...	...	...	11	...	...
Lighter than 18 gauge	United States	409	94	33.2	2,914	292	261.5
	Sweden	401	...	.3	464	1	.3
	United Kingdom	43	...	...	104	...	.9
	France	...	...	...	...	...	...
	Germany	...	...	...	4	18	...

Table 14 - Imports of Primary Forms of Iron and Steel, May, 1952 and Year to Date (Continued)

Commodity	Country of origin	M a y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip - (concluded)							
Cold rolled - (concluded)							
Painted	United States	365	...	...	4,030	...	...
	Germany	...	...	...	15	...	...
	United Kingdom	...	...	...	...	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	12	...	...	56	...	...
	United Kingdom	...	...	...	81	...	...
For saws	United States	5	26	...	45	127	...
	Sweden	10	4	...	23	34	...
	United Kingdom	...	...	...	...	...	...
For tubes	United States	260	...	...	1,992	38	...
	France	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
For tubular products	United States	498	...	...	1,477	...	...
For butt hinges	United States	422	...	...	1,731	...	...
	United Kingdom	...	...	...	28	...	...
	Sweden	...	...	...	7	...	...
Silicon .075 or more	United States	...	...	...	...	...	...
For hoops	United States	...	...	...	68	...	...
	United Kingdom	...	...	...	27	...	...
Galvanized strip	United States	447	...	...	2,888	...	...
	United Kingdom	22	...	...	257	...	...
	Germany	6	...	...	26	...	...
Skelp -							
15 ³ / ₈ " in width	United States	9,833	...	...	46,636	...	...
	France	...	...	...	1,012	...	...
	Belgium	534	...	...	7,179	...	...
	United Kingdom	1,366	...	...	2,942	...	...
	Germany	...	...	...	325	...	...
Over 15 ³ / ₈ " in width	United States	...	...	...	2,044	...	...
	Germany	...	...	...	...	...	...
Plate	United States	10,180	...	...	20,570	...	...
Pipes and tubes -							
Cast	United States	23	...	...	158	...	...
	United Kingdom	954	...	...	3,449	...	...
	Germany	...	...	...	...	...	...
	Sweden	...	...	...	...	...	...
Bedstead	United States	18	...	...	18	...	...
	France	...	...	...	...	...	...
	United Kingdom	2	...	...	6	...	...
	Belgium	...	...	...	...	...	...
	Denmark	...	...	...	...	...	...
	Sweden	...	...	...	...	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	647	...	...	3,701	55	19.8
	United Kingdom	361	...	...	1,993	...	21.5
	Sweden	18	...	...	18	...	...
	France	...	...	...	...	...	...
Cold drawn	United States	114	...	...	899	15	15.8
	United Kingdom	88	...	...	777	6	1.4
	Sweden	...	...	...	3	...	...
Welded	United States	481	...	...	1,207	...	.8
	United Kingdom	51	...	...	111	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, May, 1952 and Year to Date (Continued)

Commodity	Country of origin	M a y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes - (concluded)							
Seamless, 12" and under in diameter -							
Cold drawn	United States	513	143	15.1	2,770	343	96.2
	United Kingdom	106	1	16.3	884	11	72.3
	Sweden	1	40	...	68	40	...
	Germany	...	...	...	119	...	...
	Belgium	2	...	...	2	...	...
	Japan	...	...	...	3	...	...
Hot finished	United States	1,649	46	2.4	5,867	428	19.0
	United Kingdom	2,259	...	...	5,012	2	5.5
	Czechoslovakia	...	...	...	...	...	...
	Germany	21	...	...	57	...	...
	France	...	...	...	...	...	...
	Sweden	...	...	...	...	67	...
Seamless, over 12" in diameter -							
Hot finished	United States	346	1	...	1,919	35	1.5
	United Kingdom	37	...	...	2,547	...	...
Welded, 4" and under in diameter							
	United States	514	...	12.9	1,995	...	40.9
	United Kingdom	732	...	...	2,798	...	.8
	Belgium	...	...	...	...	...	...
	Czechoslovakia	...	...	...	...	...	...
	Holland	...	...	...	...	...	...
	Germany	...	...	...	6	...	...
	France	...	...	...	...	...	...
Welded, over 4" in diameter	United States	13,263	...	.8	17,179	...	1.4
	United Kingdom	...	...	...	239	...	...
	Germany	...	...	...	...	...	...
	Belgium	...	...	...	13	...	...
Tubing -							
Not over ½" diameter, welded and coated	United States	48	...	...	183	...	...
Spiral welded	United States	408	...	...	991	...	...
Casings	United States	4,443	...	...	18,228	...	...
	United Kingdom	1,543	...	...	4,757	...	...
	Germany	...	...	...	115	...	...
	Netherlands	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
	France	321	...	...	321	...	...
	Italy	...	...	...	...	...	...
Fittings and couplings	United States	652	...	6.4	2,337	1	16.9
	United Kingdom	55	...	...	109	...	...
	Germany	...	...	...	31	...	...
	Sweden	...	...	...	1	...	...
Wire rope							
	United States	38	...	...	537	...	3.9
	United Kingdom	64	...	...	323	...	...
	Belgium	...	...	...	3	...	...
	Germany	16	...	...	24	...	...
	Holland	3	...	...	30	...	...
	France	...	...	...	...	...	...
Wire for rope	United States	2,159	...	.2	12,903	...	.8
	United Kingdom	599	...	...	3,390	...	3.0
	Norway	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
	West Germany	64	...	...	132	...	...
Wire - For fencing, galvanized							
For corset laces, steels, etc. .	United States	196	...	...	214	...	...
	United Kingdom	...	...	...	...	...	...
For spring mattresses, etc.	United States	...	...	...	1,093	...	...
	United Kingdom	...	...	...	12	...	...
	Belgium	...	...	...	...	...	...
	Germany	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, May, 1952 and Year to Date (Continued)

Commodity	Country of origin	M a y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire cloth and netting	United States	102	...	2.7	483	...	2.9
	United Kingdom	2	...	...	50	...	...
	Belgium	44	...	...	62	...	...
Wire, coated	United States	364	...	...	972	...	...
	United Kingdom	1	...	...	60	...	...
	France	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
Wire, all other	Belgium	...	...	...	...	...	...
	United States	936	4	3.9	4,152	6	8.3
	United Kingdom	6	...	.7	32	...	1.0
	Germany	50	...	...	56	...	.4
Wire rods, not over $\frac{3}{8}$ " in diameter	Italy	...	...	...	19	...	...
	Sweden	...	...	...	24	...	...
	Belgium	...	...	...	173	...	...
	France	...	...	...	50	...	...
	United States	203	...	...	760	1	...
	France	...	...	...	...	...	...
	Belgium	...	...	...	1,665	...	...
	Germany	220	...	...	696	...	...
Welding wire and welding rods	United Kingdom	...	...	...	...	...	...
	Sweden	...	...	...	...	...	...
	United States	323	97	18.3	969	158	39.1
	Belgium	...	...	...	157	...	...
	Japan	...	...	...	88	...	...
United Kingdom	...	1	...	1	1	...	
Castings -							
For agricultural implements	United States	205	...	...	1,688	38	...
	United Kingdom	...	...	...	...	...	...
For ingot moulds	United States	1,859	...	...	11,733	...	...
	United Kingdom	266	...	...	918	...	...
Malleable	United States	112	...	...	556	...	...
	United Kingdom	...	...	...	1	...	...
Non-malleable	United States	27	...	...	249	...	...
	United Kingdom	...	...	...	...	...	...
Steel	United States	56	1	...	186	27	.9
	Germany	...	...	...	1	...	...
	United Kingdom	60	...	...	60	...	...
	France	43	...	...	43	...	...
	Norway	47	...	...	47	...	...
For railway vehicles	United States	1	...	...	66	...	...
	United Kingdom	34	...	...	34	...	...
Rolls	United States	515	69	...	1,727	395	...
	United Kingdom	15	47	...	36	51	...
	Germany	...	...	...	1	...	...
	France	86	...	...	86	...	...
Piston rings (rough)	United States	36	...	...	92	...	...
Forgings	United States	37	78	...	957	149	1.3
	United Kingdom	255	...	...	963	...	...
	Germany	...	...	...	...	...	...
Wheels - For railway rolling stock	United States	...	...	...	105	...	...
	United Kingdom	1,965	...	...	3,195	...	...
Tires - For railway rolling stock	United States	13	...	...	73	...	...
	United Kingdom	168	...	...	753	...	...
Rails - 60 lb. and under	United States	130	...	...	1,025	...	...
	Belgium	51	169
	France	106
	Germany	33
	United Kingdom

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, May, 1952 and Year to Date (Concluded)

Commodity	Country of origin	M a y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Rails - (concluded)							
Over 60 lb. and including 100 lb.	United States	52	...	...	1,777	...	...
	United Kingdom	...	...	...	...	...	...
Over 100 lb.	United States	376	...	...	542	...	...
	United Kingdom	...	...	...	...	...	...
Axles - For railway vehicles	United States	...	...	...	63	...	...
	United Kingdom	121	...	...	234	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	856	...	...	1,752	...	...
	Belgium	14	...	...	83	...	...
	France	...	...	...	...	...	...
	United Kingdom	...	...	...	...	...	...
	Germany	...	...	...	1	...	...
Intersections, switches, frogs	United States	53	...	...	898	...	...
	France	...	...	...	4	...	...
	Belgium	...	...	...	3	...	...
<hr/>							
Total Imports	United States	119,083	4,285	508.6	588,408	19,896	3,128.3
	All other	60,677	422	59.4	213,820	1,174	288.3
<hr/>							
TOTAL		179,760	4,707	568.0	802,228	21,070	3,416.6

Table 15 - Exports of Primary Iron and Steel, May, 1952 and Year to Date

	M a y	Year to date
	(Tons of 2,000 pounds)	
Pig iron	31,463	130,671
Ingots, blooms and billets	1,045	12,926
Bars	3,425	12,028
Rods .....	...	85
Plates, sheets and strips	1,843	10,190
Rails .....	...	...
Structural shapes	714	2,818
Pipe and tubing - Wrought iron	22	430
Cast iron	123	555
Galvanized	27	946
Other	521	1,224
Castings, iron and steel	1,686	8,595
Forgings	878	2,192
Total	41,747	182,660



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PRIMARY IRON AND STEELJUNE - 1952

Pig Iron - Production of pig iron in Canada amounted to 229,266 tons in June, compared with 213,184 tons in the corresponding month of last year. The total for the current month included 178,279 tons of basic iron, 20,322 tons of foundry iron and 30,665 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in June amounted to 17,591 tons, compared with 21,112 tons in the previous month and with 19,774 tons in June of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during June totalled 305,455 tons, compared with 293,515 tons in June of last year. Output in the month under review included 294,006 tons of ingots and 11,449 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During June, 1951 and 1952

	June, 1951		June, 1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
		(Net tons of 2,000 pounds)		
<u>Pig iron -</u>				
Basic	166,379	15,877	178,279	14,573
Foundry	29,312	29,137	20,322	18,161
Malleable	17,493	19,348	30,665	34,368
Total Pig Iron	213,184	64,362	229,266	67,102
<u>Ferro-alloys</u>	19,774	Not available	17,591	5,368

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Six Months Ended June, 1951 and 1952

	1951		1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
		(Net tons of 2,000 pounds)		
<u>Pig iron -</u>				
Basic	972,780	59,249	1,031,940	74,898
Foundry	158,786	159,483	108,701	102,849
Malleable	126,681	132,334	189,104	185,540
Total Pig Iron	1,258,247	351,066	1,329,745	363,287
<u>Ferro-alloys</u>	116,295	Not available	125,285	112,427

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During June, 1951 and 1952 and Six Months Ended June, 1951 and 1952

	June 1951	June 1952	Six months ended June 1951 1952	
			(Net tons of 2,000 pounds)	
Iron ore - Canadian	122,035	124,483	673,178	732,527
Imported	250,421	293,839	1,511,896	1,675,624
Mill cinder, scale, sinter, etc. ..	40,190	19,110	254,464	177,085
Limestone	77,827	84,496	463,415	504,612
Dolomite	13,951	17,193	78,569	102,073
Coke	195,179	212,393	1,153,342	1,250,870
Scrap iron and steel	7,760	10,113	35,690	44,481

Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd.	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		15	3,025,000

Table 5 - Description of Iron Blast Furnaces at End of June, 1952

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	14	2,889,950	95.5
Banked .....	...	...	...
Blown out	1	135,050	4.5
Total	15	3,025,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During June, 1951 and 1952

	June - 1951		June - 1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	237,604	6,890	249,093	12,147
Electric	46,060	3,863	44,913	5,727
Total Steel Ingots	283,664	10,753	294,006	17,874
Alloy steel ingots included in above	18,484	79	15,642	82
<u>Steel Castings</u>				
Open hearth - basic	2,242	1,893	3,195	2,888
Converter	31	11	73	60
Electric	7,578	6,079	8,181	6,248
Total Steel Castings	9,851	7,983	11,449	9,196
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	106	93	105	88
(b) High alloy, manganese and abrasion resistant	844	832	1,435	1,383
(c) All other alloys	1,039	517	964	338

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Six Months Ended June, 1951 and 1952

	1951		1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	1,485,986	66,554	1,541,814	87,955
Electric	277,283	31,384	303,990	41,276
Total Steel Ingots	1,763,269	97,938	1,845,804	129,231
Alloy steel ingots included in above ...	110,793	5,285	106,857	289

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Table 7 - Cumulative Production and Sales for the Six Months Ended June, 1951 and 1952 (Concluded)

	1 9 5 1		1 9 5 2	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Castings</u>				
Open hearth - basic	14,809	13,249	18,592	17,004
Converter	93	71	240	178
Electric	46,520	35,970	50,279	37,074
Total Steel Castings	61,422	49,290	69,111	54,256
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant			617	555
(b) High alloy, manganese and abrasion resistant	12,523	6,911	11,541	9,982
(c) All other alloys			5,294	2,026

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During June, 1951 and 1952, and Six Months Ended June, 1952

	June 1951	June 1952	Six months ended June, 1952
(Net tons of 2,000 pounds)			
Pig iron	150,752	163,072	1,015,591
Scrap - Own make	79,197	88,827	533,420
Purchased	88,995	85,970	547,489

Table 9 - Steel Furnace Capacity at First of January, 1951

	Annual capacity
(Net tons of 2,000 pounds)	
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 5 1</u>					
January	201,131	19,062	299,410	10,243	309,653
February	193,228	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
Total - Six Months	1,258,247	116,295	1,763,269	61,422	1,824,691
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
October	224,511	25,777	298,159	11,255	309,414
November	223,467	22,271	295,485	11,590	307,075
December	220,537	20,675	286,755	9,790	296,545
Total	2,552,696	250,930	3,446,125	121,236	3,567,361

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952 (Concluded)

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
1 9 5 2					
January	209,153	21,458	305,721	11,313	317,034
February	199,162	22,171	294,346	11,519	305,865
March	240,755	23,097	327,885	11,511	339,396
April	214,330	19,856	304,956	11,685	316,641
May	237,079	21,112	318,890	11,634	330,524
June	229,266	17,591	294,006	11,449	305,455
Total - Six Months ...	1,329,745	125,285	1,845,804	69,111	1,914,915

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 263,685 net tons in June, 1952, compared with 263,789 tons in June, 1951. The June shipments included 254 tons of semi-finished shapes, 9,645 tons of structurals, 19,981 tons of plates, 21,033 tons of rails, 15,936 tons of tie plates and track material, 50,434 tons of hot rolled bars, 27,345 tons of pipes and tubes, 26,910 tons of wire rods, 24,172 tons of black sheets, 8,393 tons of galvanized sheets, 11,029 tons of castings, and 42,472 tons of other rolled products. The amount of producers' interchange was 141,580 tons in June, 1952, as against 135,513 tons in June, 1951.

Of the amounts shipped for sale during June, 59,791 tons went direct to railways and railway car shops; 9,056 tons went to pressing, forming and stamping plants; 32,316 tons to merchant trade products; 25,850 tons to building construction; 21,852 tons to the containers industry; 12,791 tons to agricultural equipment; 17,574 tons to the automotive industry; 14,610 tons to machinery plants; 4,510 tons to shipbuilding; 20,450 tons to mining, lumbering, etc., and 8,600 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 28,206 tons, and exports for 8,079 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 141,580 tons in June, 1952.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, June, 1952

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	8,745	5,276	4,087
Other semi-finished shapes, not for re-rolling by makers	41,631	254	37,696
Structural shapes and piling	9,340	9,645	...
Plates	20,342	19,851	...
Rails	19,184	21,033	...
Tie plates and track material: Splice bars	2,421	2,581	...
Tie plates	6,955	11,944	...
Spikes	1,541	1,411	...
Concrete reinforcing bars	12,145	12,737	...
Hot rolled bars for cold finishing	1,135	...	1,091
Other hot rolled bars	53,787	39,724	9,507
Pipes and tubes	28,111	27,345	...
Wire rods	28,662	26,797	109
Hot rolled black sheets	63,424	10,943	53,031
Cold reduced black sheets	17,756	13,229	3,939
Galvanized sheets	8,773	8,393	45
Steel castings	8,824	8,567	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other) ...	62,890	28,622	32,075
Total - Carbon Steel	395,666	248,352	141,580

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, June, 1952 (Concluded)

	<u>P r o d u c t i o n</u> (Including producers' interchange)	<u>S h i p m e n t s</u> For Producers' sale interchange	
	(Tons of 2,000 pounds)		
<u>Alloy Steel</u>			
Billets, etc., for forging	1,024	805	...
Other semi-finished shapes, not for re-rolling by makers .....	...	...	...
Structural shapes and piling .....	...	...	...
Plates	109	130	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	9,493	10,710	...
Pipes and tubes .....	...	...	...
Wire rods	118	113	...
Steel castings	2,573	2,462	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other) ...	1,352	1,113	...
Total - Alloy Steel	14,669	15,333	...

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Six Months Ended June, 1952

	1972 P r o d u c t i o n (Including producers' interchange)	S h i p m e n t s For Producers' sale interchange	
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	57,775	35,138	22,948
Other semi-finished shapes, not for re-rolling by makers	278,841	9,625	269,416
Structural shapes and piling	86,629	92,349	...
Plates	118,147	116,399	19
Rails	133,339	136,763	...
Tie plates and track material: Splice bars	10,023	9,583	...
Tie plates	37,927	41,041	...
Spikes	8,711	8,704	...
Concrete reinforcing bars	74,366	71,063	...
Hot rolled bars for cold finishing	6,735	...	6,642
Other hot rolled bars	311,163	242,321	60,649
Pipes and tubes	151,484	146,940	...
Wire rods	173,945	172,467	500
Hot rolled black sheets	377,662	63,443	312,311
Cold reduced black sheets	113,465	79,558	32,803
Galvanized sheets	57,983	58,181	48
Steel castings	54,164	53,167	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	400,452	177,578	207,724
Total - Carbon Steel	2,452,811	1,514,320	913,060
<u>Alloy Steel</u>			
Billets, etc., for forging	7,482	7,251	...
Other semi-finished shapes, not for re-rolling by makers	1,181	...	1,181
Structural shapes and piling .....	...	...	...
Plates	596	785	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	51,462	51,498	20
Pipes and tubes .....	...	...	...
Wire rods	427	428	...
Steel castings	15,010	13,764	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other) ...	7,697	7,313	...
Total - Alloy Steel	83,855	81,039	1,201

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

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Table 13 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, June, 1952 and Year to Date

	J u n e		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	9,976	7,598	52,852	38,092
Agricultural, including farm machinery	12,555	236	75,328	2,052
Building construction	25,811	39	185,290	607
Containers industry	21,849	3	127,046	27
Machinery and tools	13,825	785	99,945	5,838
Merchant trade products	32,038	278	217,090	1,453
Mining, lumbering, etc.	19,128	1,322	91,910	8,214
National defence	5,113	331	36,148	3,453
Pressing, forming and stamping	9,002	54	65,461	519
Public works and utilities	1,721	87	10,098	344
Railway operating	42,042	222	231,129	1,412
Railway cars and locomotives	17,341	186	103,842	1,785
Shipbuilding	4,386	124	24,026	835
Miscellaneous and unclassified	1,169	179	6,591	1,108
Wholesalers and warehouses	27,963	243	161,638	1,095
Direct export (a) to British Empire ..	1,321	877	5,946	6,590
(b) to other countries .	3,112	2,769	19,980	7,615
Total Shipped for Sale	248,352	15,333	1,514,320	81,039
Producers' interchange	141,580	...	913,060	1,201

Table 14 - Imports of Primary Forms of Iron and Steel, June, 1952 and Year to Date

Commodity	Country of origin	J u n e			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	135	...	...	1,474	...	...
	Germany	...	...	...	...	...	...
Foundry	United States	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
Malleable	United States	...	...	...	86	...	...
	United Kingdom	...	...	...	...	...	...
Special	United States	...	...	...	...	...	...
	Holland	...	...	...	...	...	...
Ingots	United States	3,477	...	...	43,947	...	...
	Germany	...	...	...	...	...	...
Billets, blooms, slabs and sheet bars .	United States	6	...	...	4,737	510	...
	United Kingdom	...	...	...	...	12	...
	Germany	...	...	...	...	...	...
Tube rounds and tube billets	United States	1	24	...	4,313	78	...
	Belgium	...	...	...	35	...	...
	United Kingdom	...	...	...	178	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	2,741	266	5.7	34,866	4,324	95.1
	United Kingdom	334	48	21.3	2,503	270	56.4
	Belgium	3,979	...	...	35,091	...	...
	France	3,134	...	...	10,615	...	...
	Japan	1,654	...	...	5,153	...	...
	Germany	38	...	...	711	...	...
	Sweden	...	...	...	15	...	...
	Austria	...	...	...	...	...	...
Hot rolled -							
For agricultural implements	United States	1,075	...	...	10,358	126	...
	United Kingdom	...	...	...	226	...	...
	Belgium	...	...	...	254	...	...
	France	...	...	...	20	...	...
Rounds over 4-7/8", squares over 4"	United States	45	1	1.4	547	18	1.4
	United Kingdom	59	61	...	165	167	1.1
	Belgium	5	5

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Table 14 - Imports of Primary Forms of Iron and Steel, June, 1952 and Year to Date (Continued)

Commodity	Country of origin	J u n e			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (Concluded)							
Hot rolled - (Concluded)							
Angles, channels, etc.	United States	549	...	.2	6,015	136	10.3
	Belgium	744	...	...	6,613	...	...
	United Kingdom	7	...	...	512	...	...
	France	188	...	...	1,688	...	...
	Germany	9	...	...	25	...	...
	Japan	...	...	...	114	...	...
Structurals (bar sizes) for agricultural implements	United States	1,186	...	...	5,811	...	...
	United Kingdom	...	...	...	22	...	...
	France	...	...	...	...	...	...
Sash or casement sections	United States	12	...	...	1,220	...	...
	Belgium	...	...	...	80	...	...
	United Kingdom	...	...	...	...	...	...
	Germany	...	...	...	45	...	...
Cold rolled, n.o.p.	United States	397	...	3.8	3,579	59	16.7
	United Kingdom	192	...	1.0	829	28	3.2
	Belgium	313	...	...	740	...	...
	Sweden	...	...	...	44	...	...
	Germany	...	...	...	550	...	...
	France	...	...	...	1,489	...	...
Cold rolled, for agricultural implements	United States	179	...	...	2,353	8	...
	United Kingdom	11	...	...	20	...	...
	Belgium	...	...	...	83	...	...
Tool steel	United States	7	44	...	283	831	...
	United Kingdom	58	156	...	152	578	...
	Belgium	...	...	...	127	...	...
Structurals	United States	6,787	...	...	92,030	7	1.3
	United Kingdom	1,530	...	...	11,003	...	...
	Belgium	4,277	...	...	35,899	...	...
	France	587	...	...	8,157	...	...
	Germany	...	...	...	793	...	...
	Japan	...	...	...	420	...	...
Plates -							
78" and under in width	United States	6,752	5	110.2	65,826	140	576.0
	United Kingdom	1,865	48	...	10,481	48	8.6
	France	238	...	...	4,064	...	...
	Germany	40	...	...	4,344	...	...
	Japan	568	...	...	12,379	...	...
	Belgium	708	...	...	6,230	...	...
	Austria	...	...	...	498	...	...
	Italy	...	...	...	29	...	...
Over 78" and under 100" in width ..	United States	2,848	...	1.0	24,348	51	59.7
	United Kingdom	2,405	...	4.6	10,255	...	4.6
	Belgium	...	...	...	340	...	...
	France	73	...	...	525	...	...
	Japan	191	...	...	996	...	...
	Austria	...	...	...	168	...	...
	Germany	...	...	...	176	...	...
100" in width and over	United States	476	...	...	4,073	44	...
	United Kingdom	43	...	...	782	...	...
	Belgium	...	...	...	5	...	...
	Japan	...	...	...	8	...	...
Flanged, dished or curved	United States	100	...	1.8	1,521	...	23.8
	United Kingdom	36	...	...	36	...	...
Boiler, pulp-mill digesters	United States	131	...	...	2,191	...	...
	United Kingdom	74	...	...	775	...	...
	Belgium	...	...	...	30	...	...
	France	...	...	...	...	...	...
	Japan	...	...	...	53	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, June, 1952 and Year to Date (Continued)

Commodity	Country of origin	J u n e			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
<u>Plates - (Concluded)</u>							
Chequered or surface pattern	United States	563	...	...	4,848	...	...
	United Kingdom	31	...	...	435	...	...
	Belgium	...	...	...	20	...	...
Painted	United States	...	...	...	...	...	...
<u>Sheets -</u>							
Silicon .075 or more	United States	...	973	...	...	11,875	...
	United Kingdom	...	136	...	...	246	...
Galvanized	United States	660	...	...	6,527	...	...
	United Kingdom	350	...	...	2,047	...	...
	France	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
Hot rolled -							
18 gauge and heavier	United States	4,119	2	31.5	44,265	306	462.5
	Germany	9	...	...	903	...	...
	Belgium	18	...	...	1,745	...	...
	United Kingdom	613	...	29.7	2,402	...	130.4
	France	...	...	...	2	...	...
	Sweden	...	...	...	...	2	...
	Japan	14	...	...	1,842	...	...
Lighter than 18 gauge	United States	325	5	11.7	2,091	72	135.2
	United Kingdom	16	...	.9	319	...	14.6
	Belgium	...	...	...	...	...	...
	France	...	...	...	...	...	...
	Japan	...	...	...	...	...	...
For cold rolling	United States	...	...	...	43	...	...
For hollow ware (vitreous enamel).	United States	157	...	...	1,318	...	...
	United Kingdom	...	...	...	53	...	...
	Belgium	...	...	...	...	...	...
	France	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
Corrugated	United States	372	...	...	2,781	...	...
	United Kingdom	32	...	...	93	...	...
Coated with paint, tar, asphaltum, etc.	United States	...	...	...	221	...	...
	Germany	...	...	...	...	...	...
For saws	United States	22	16	...	103	289	...
	United Kingdom	...	1	...	4	18	...
For cold rolled strip	United States	...	...	...	...	...	...
For tubes	United States	...	...	...	495	...	...
Cold rolled -							
18 gauge and heavier	United States	1,236	33	27.1	15,610	55	494.9
	United Kingdom	77	...	7.2	324	...	15.5
	Belgium	...	...	...	...	...	...
	Italy	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
	France	...	...	...	...	...	...
Lighter than 18 gauge	United States	1,293	...	60.7	15,868	21	589.4
	United Kingdom	194	...	.3	977	...	11.8
	Sweden	...	...	...	...	...	...
	France	...	...	...	...	...	...
	Belgium	...	...	...	25	...	...
	Germany	...	...	...	...	...	...
For hollow ware (vitreous enamel).	United States	273	...	...	1,928	...	...
	United Kingdom	5	...	...	35	...	...
	France	...	...	...	...	...	...
	Belgium
	Germany
Black plate - Tin mill	United States	12	165
	United Kingdom

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Table 14 - Imports of Primary Forms of Iron and Steel, June, 1952 and Year to Date (Continued)

Commodity	Country of origin	J u n e			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets - (Concluded)							
Cold rolled - (Concluded)							
Coated with paint, tar, asphaltum, etc.	United States	4	...	...	230	...	...
	United Kingdom	...	...	...	...	...	...
	Sweden	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
For heating apparatus	United States	45	...	...	185	1	...
For saws	United States	...	...	...	6	1	...
	Sweden	...	...	...	4	1	...
For tubes	United States	124	...	...	2,460	...	...
Tin plate - Primes	United States	1	...	...	26	...	...
	United Kingdom	118	...	...	332	...	...
Seconds	United Kingdom	...	...	...	...	...	...
Electrolytic 25#	United States	43	...	...	139	...	...
	United Kingdom	...	...	...	3	...	...
Terne plate - Long	United States	353	...	...	2,845	...	...
	United Kingdom	21	...	...	28	...	...
Short	United States	32	...	...	930	...	...
	United Kingdom	2	...	...	14	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,362	2	5.1	12,879	35	13.0
	United Kingdom	...	...	...	219	...	...
	Belgium	...	...	...	265	...	...
	France	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
Lighter than 18 gauge	United States	60	22	...	822	104	93.9
	United Kingdom	...	...	...	...	1	...
	Belgium	...	...	...	6	...	...
	France	...	...	...	...	...	...
For cold rolling	United States	...	...	...	1,047	...	...
	United Kingdom	...	...	...	20	...	...
Painted	United States	...	...	...	17	...	...
	United Kingdom	...	...	...	...	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	39	...	...	115	...	...
	United Kingdom	...	...	...	27	...	...
For saws	United States	3	5	...	206	50	...
	United Kingdom	...	...	...	2	...	...
	Sweden	...	2	...	1	10	...
For motor vehicles	United States	427	...	...	7,451	...	...
	Belgium	...	...	...	...	...	...
For hoops	United States	94	...	...	634	...	...
	United Kingdom	...	...	...	91	...	...
	Belgium	...	...	...	54	...	...
	Sweden	...	...	...	...	...	...
For tubes	United States	...	...	...	1,109	3	...
	United Kingdom	...	...	...	...	14	...
For tubular products	United States	...	...	...	99	...	...
Silicon .075 or more	United States	...	...	...	...	...	...
Cold rolled -							
18 gauge and heavier	United States	423	3	7.5	2,838	46	291.8
	United Kingdom	...	...	...	47	...	...
	Sweden	...	...	...	29	...	...
	Germany	2	...	...	13	...	...
Lighter than 18 gauge	United States	422	124	63.3	3,336	416	324.8
	Sweden	...	...	1.6	464	1	1.9
	United Kingdom	...	...	...	104	...	.9
	France	...	...	...	...	...	...
	Germany	...	...	...	4	18	...

Table 14 - Imports of Primary Forms of Iron and Steel, June, 1952 and Year to Date (Continued)

Commodity	Country of origin	J u n e			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip - (Concluded)							
Cold rolled - (Concluded)							
Painted	United States	205	...	...	4,235	...	...
	Germany	...	...	...	15	...	...
	United Kingdom	...	...	...	...	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	4	...	...	60	...	...
	United Kingdom	...	...	...	81	...	...
For saws	United States	...	22	...	45	149	...
	Sweden	3	5	...	26	39	...
	United Kingdom	...	...	...	...	...	...
For tubes	United States	309	...	...	2,301	38	...
	France	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
For tubular products	United States	24	...	...	1,501	...	...
For butt hinges	United States	165	...	...	1,896	...	...
	United Kingdom	...	...	...	28	...	...
	Sweden	1	...	...	8	...	...
Silicon .075 or more	United States	...	...	...	...	...	...
For hoops	United States	...	...	...	68	...	...
	United Kingdom	...	...	...	27	...	...
Galvanized strip	United States	211	...	...	3,099	...	...
	United Kingdom	24	...	...	281	...	...
	Germany	9	...	...	35	...	...
Skelp -							
15-3/8" in width	United States	3,349	...	...	49,985	...	...
	France	...	...	...	1,012	...	...
	Belgium	2,759	...	...	9,938	...	...
	United Kingdom	...	...	...	2,942	...	...
	Germany	...	...	...	325	...	...
Over 15-3/8" in width	United States	210	...	...	2,254	...	...
	Germany	...	...	...	...	...	...
Plate	United States	2,559	...	...	23,129	...	...
Pipes and tubes -							
Cast	United States	18	...	...	176	...	...
	United Kingdom	1,149	...	...	4,598	...	...
	Germany	...	...	...	...	...	...
	Sweden	...	...	...	...	...	...
Bedstead	United States	68	...	...	86	...	...
	France	...	...	...	...	...	...
	United Kingdom	...	...	...	6	...	...
	Belgium	...	...	...	...	...	...
	Denmark	...	...	...	...	...	...
	Sweden	...	...	...	...	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	451	...	...	4,152	55	19.8
	United Kingdom	101	...	...	2,094	...	21.5
	Sweden	...	...	...	18	...	...
	France	...	...	...	...	...	...
Cold drawn	United States	134	...	.2	1,033	15	16.0
	United Kingdom	76	...	...	853	6	1.4
	Sweden	...	...	...	3	...	...
Welded	United States	105	...	...	1,312	...	.8
	United Kingdom	...	...	...	111	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, June, 1952 and Year to Date (Continued)

Commodity	Country of origin	J u n e			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes - (Concluded)							
Seamless, 12" and under in diameter -							
Cold drawn	United States	509	120	56.1	3,279	463	152.3
	United Kingdom	219	1	22.3	1,103	12	94.6
	Sweden	38	...	.1	106	40	.1
	Germany	...	...	...	119	...	...
	Belgium	...	...	...	2	...	...
	Japan	...	...	...	3	...	...
Hot finished	United States	1,232	147	4.0	7,099	575	23.0
	United Kingdom	1,698	...	...	6,710	2	5.5
	Czechoslovakia	...	...	...	...	...	...
	Germany	...	...	...	57	...	...
	France	...	...	...	...	...	...
	Sweden	...	...	...	...	67	...
Seamless, over 12" in diameter -							
Hot finished	United States	65	...	...	1,984	35	1.5
	United Kingdom	18	...	...	2,565	...	...
Welded, 4" and under in diameter ..	United States	121	23	10.4	2,116	23	51.3
	United Kingdom	926	...	7.8	3,724	...	8.6
	Belgium	90	...	...	96	...	...
	Czechoslovakia	...	...	...	...	...	...
	Holland	...	...	...	...	...	...
	Germany	...	...	...	...	...	...
	France	...	...	...	...	...	...
Welded, over 4" in diameter	United States	6,584	...	1.5	23,763	...	2.9
	United Kingdom	552	...	...	791	...	...
	Germany	78	...	...	78	...	...
	Belgium	...	...	...	13	...	...
Tubing -							
Not over ½" diameter, welded and coated	United States	74	...	...	257	...	...
Spiral welded	United States	81	...	...	1,072	...	...
Casings	United States	3,614	...	...	21,842	...	...
	United Kingdom	3,106	...	...	7,863	...	...
	Germany	219	...	...	334	...	...
	Netherlands	...	...	...	...	...	...
	Belgium	...	...	...	...	...	...
	France	660	...	...	981	...	...
	Italy	...	...	...	...	...	...
Fittings and couplings	United States	502	6	20.3	2,839	7	37.2
	United Kingdom	102	...	...	211	...	...
	Germany	...	...	...	31	...	...
	Sweden	...	...	...	1	...	...
Wire rope							
	United States	66	...	1.1	603	...	5.0
	United Kingdom	56	...	...	379	...	...
	Belgium	...	...	...	3	...	...
	Germany	16	...	...	40	...	...
	Holland	...	...	...	30	...	...
	France	...	...	...	...	...	...
Wire for rope	United States	1,326	...	...	14,229	...	.8
	United Kingdom	445	...	...	3,835	...	3.0
	Norway	...	...	...	...	...	...
	Belgium	9	...	...	9	...	...
	West Germany	...	...	...	132	...	...
Wire - For fencing, galvanized							
For corset laces, steels, etc..	United States	...	...	...	...	...	...
	United States	3	...	...	217	...	...
	United Kingdom	1	...	...	1	...	...
For spring mattresses, etc. ..	United States	57	...	...	1,150	...	...
	United Kingdom	...	...	...	12	...	...
	Belgium	...	...	...	...	...	...
	Germany	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, June, 1952 and Year to Date (Continued)

Table 14 - Imports of Primary Forms of Iron and Steel, June, 1972 and Year to Date (continued)							
Commodity	Country of origin	J u n e			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Wire cloth and netting	United States	91	...	...	574	...	2.9
	United Kingdom	6	...	...	56	...	...
	Belgium	...	...	...	62	...	...
Wire, coated	United States	93	...	...	1,065	...	...
	United Kingdom	...	...	...	60	...	...
	France	...	...	...	...	...	...
	Germany	3	...	...	3	...	...
Wire, all other	Belgium	4	...	...	4	...	...
	United States	309	...	.9	4,461	6	9.2
	United Kingdom	5	...	...	37	...	1.0
	Germany	2	...	...	58	...	.4
	Italy	...	...	...	19	...	...
	Sweden	1	...	...	25	...	...
	Belgium	34	...	...	207	...	...
	France	11	...	...	61	...	...
Wire rods, not over 3/8" in diameter .	United States	53	...	...	813	1	...
	France	...	...	...	...	...	...
	Belgium	...	...	...	1,665	...	...
	Germany	...	...	...	696	...	...
	United Kingdom	...	...	...	...	...	...
	Sweden	...	...	...	...	...	...
Welding wire and welding rods	United States	336	52	...	1,305	210	39.1
	Belgium	...	...	...	157	...	...
	Japan	...	...	...	88	...	...
	United Kingdom	...	...	...	1	1	...
Castings -							
For agricultural implements	United States	69	...	...	1,757	38	...
	United Kingdom	...	...	...	...	...	...
For ingot moulds	United States	1,267	...	...	13,000	...	...
	United Kingdom	...	...	...	918	...	...
Malleable	United States	227	...	...	783	...	...
	United Kingdom	...	...	...	1	...	...
Non-malleable	United States	19	...	...	268	...	...
	United Kingdom	...	...	...	...	...	...
Steel	United States	44	32	...	230	59	.9
	Germany	...	...	...	1	...	...
	United Kingdom	...	...	...	60	...	...
	France	50	...	...	93	...	...
	Norway	...	...	...	47	...	...
	Belgium	42	...	...	42	...	...
For railway vehicles	United States	10	...	...	76	...	...
	United Kingdom	...	...	...	34	...	...
Rolls	United States	237	42	...	1,964	437	...
	United Kingdom	...	22	...	36	73	...
	Germany	...	...	...	1	...	...
	France	...	...	...	86	...	...
Piston rings (rough)	United States	18	...	...	110	...	...
Forgings							
Wheels - For railway rolling stock ..	United States	106	114	...	1,063	263	1.3
	United Kingdom	173	11	...	1,136	11	...
	Germany	...	...	...	...	...	...
Tires - For railway rolling stock ...	United States	6	...	...	111	...	...
	United Kingdom	525	...	...	3,720	...	...
Axles - For railway vehicles	United States	19	...	...	92	...	...
	United Kingdom	528	...	...	1,281	...	...
Rails - 60 lb. and under	United States	...	...	...	63	...	...
	United Kingdom	...	...	...	234	...	...
	United States	108	...	...	1,133	...	...
	Belgium	31	...	...	200	...	...
	France	...	...	...	106	...	...
	Germany	...	...	...	33	...	...
	United Kingdom	...	...	...	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, June, 1952 and Year to Date (Concluded)

Commodity	Country of origin	J u n e			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Rails - (Concluded)							
Over 60 lb. and including 100 lb. .	United States	158	...	...	1,935	...	...
	United Kingdom	...	...	...	...	...	...
Over 100 lb.	United States	1,342	...	...	1,884	...	...
	United Kingdom	...	...	...	...	...	...
Track material -							
Angles, bars, tie plates, rail joints.	United States	189	...	...	1,941	...	...
	Belgium	2	...	...	85	...	...
	France	...	...	...	...	...	...
	United Kingdom	871	...	...	871	...	...
	Germany	...	...	...	1	...	...
Intersections, switches, frogs	United States	157	...	...	1,055	...	...
	France	...	...	...	4	...	...
	Belgium	...	...	...	3	...	...
Total Imports	United States	66,272	2,084	425.5	654,680	21,980	3,553.8
	All other	39,505	491	96.8	253,325	1,665	385.1
TOTAL		105,777	2,575	522.3	908,005	23,645	3,938.9

Table 15 - Exports of Primary Iron and Steel, June, 1952 and Year to Date

	June	Year to date
	(Tons of 2,000 pounds)	
Pig iron	26,450	157,121
Ingots, blooms and billets	3,593	16,519
Bars	4,403	16,431
Rods	15	100
Plates, sheets and strips	1,511	11,701
Rails	144	144
Structural shapes	148	2,966
Pipe and tubing - Wrought iron ...	537	967
Cast iron	51	606
Galvanized	18	964
Other	233	1,457
Castings, iron and steel	1,114	9,709
Forgings	848	3,040
Total	39,065	221,725



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PRIMARY IRON AND STEELJULY - 1952

Pig Iron - Production of pig iron in Canada amounted to 229,561 tons in July compared with 210,263 tons in the corresponding month of last year. The total for the current month included 181,754 tons of basic iron, 12,177 tons of foundry iron and 35,630 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in July amounted to 15,508 tons, compared with 17,591 tons in the previous month and with 17,608 tons in July of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during July totalled 293,408 tons, compared with 274,602 tons in July of last year. Output in the month under review included 285,332 tons of ingots and 8,076 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During July, 1951 and 1952

	July, 1951		July, 1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	162,899	16,331	181,754	18,655
Foundry	29,876	24,083	12,177	17,040
Malleable	17,488	18,109	35,630	26,125
Total Pig Iron	210,263	58,523	229,561	61,820
<u>Ferro-alloys</u>	17,608	Not available	15,508	8,087

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Seven Months Ended July, 1951 and 1952

	1951		1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	1,135,679	75,580	1,213,694	93,553
Foundry	188,662	183,566	120,878	119,889
Malleable	144,169	150,443	224,734	205,665
Total Pig Iron	1,468,510	409,589	1,559,306	425,107
<u>Ferro-alloys</u>	133,903	Not available	140,793	120,514

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During July, 1951 and 1952 and Seven Months Ended July, 1951 and 1952

	July 1951	July 1952	Seven months ended July	
			1951	1952
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	109,182	142,716	782,360	875,243
Imported	239,071	264,641	1,750,967	1,940,265
Mill cinder, scale, sinter, etc.	43,928	36,669	298,392	213,754
Limestone	78,741	83,900	542,156	588,512
Dolomite	13,808	16,440	92,377	118,513
Coke	197,542	209,794	1,350,884	1,460,664
Scrap iron and steel	7,572	11,695	43,262	56,176

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Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd.	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		15	3,025,000

Table 5 - Description of Iron Blast Furnaces at End of July, 1952

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	14	2,889,950	95.5
Banked .....	...	...	...
Blown out	1	135,050	4.5
Total	15	3,025,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During July, 1951 and 1952

	July, 1951		July, 1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	227,859	8,178	241,533	8,131
Electric	38,787	3,023	43,799	7,078
Total Steel Ingots	266,646	11,201	285,332	15,209
Alloy steel ingots included in above	15,105	64	14,178	83
<u>Steel Castings</u>				
Open hearth - basic	1,474	1,302	1,615	1,305
Converter	21	1	10	32
Electric	6,461	4,848	6,451	5,367
Total Steel Castings	7,956	6,151	8,076	6,704
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	140	112	146	101
(b) High alloy, manganese and abrasion resistant	924	667	1,154	1,176
(c) All other alloys	669	215	995	318

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Seven Months Ended July, 1951 and 1952

	1951		1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	1,713,845	74,732	1,783,347	96,086
Electric	316,070	34,407	347,789	48,354
Total Steel Ingots	2,029,915	109,139	2,131,136	144,440
Alloy steel ingots included in above	125,898	5,349	121,035	372

Table 7 - Cumulative Production and Sales for the Seven Months Ended July, 1951 and 1952 (Concluded)

	1 9 5 1		1 9 5 2	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
<u>Steel Castings</u>	(Net tons of 2,000 pounds)			
Open hearth - basic	16,283	14,551	20,207	18,309
Converter	114	72	250	210
Electric	52,981	40,818	56,730	42,441
Total Steel Castings	69,378	55,441	77,187	60,960
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant			763	656
(b) High alloy, manganese and abrasion resistant	14,256	7,905	12,695	11,158
(c) All other alloys			6,289	2,344

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During July, 1951 and 1952, and Seven Months Ended July, 1952

	July 1951	July 1952	Seven months ended July, 1952
	(Net tons of 2,000 pounds)		
Pig iron	148,530	158,673	1,174,264
Scrap - Own make	71,683	80,950	614,370
Purchased	78,899	83,244	630,733

Table 9 - Steel Furnace Capacity at First of January, 1951

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings ..	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
1 9 5 1					
January	201,131	19,062	299,410	10,243	309,653
February	193,228	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
Total - Seven months	1,468,510	133,903	2,029,915	69,378	2,099,293
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
October	224,511	25,777	298,159	11,255	309,414
November	223,467	22,271	295,485	11,590	307,075
December	220,537	20,675	286,755	9,790	296,545
Total	2,552,696	250,930	3,446,125	121,236	3,567,361

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952 (Concluded)

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
1 9 5 2					
January	209,153	21,458	305,721	11,313	317,034
February	199,162	22,171	294,346	11,519	305,865
March	240,755	23,097	327,885	11,511	339,396
April	214,330	19,856	304,956	11,685	316,641
May	237,079	21,112	318,890	11,634	330,524
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	285,332	8,076	293,408
Total - Seven Months ..	1,559,306	140,793	2,131,136	77,187	2,208,323

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 270,235 net tons in July, 1952, compared with 242,633 tons in July, 1951. The July shipments included 1,359 tons of semi-finished shapes, 18,594 tons of structurals, 22,405 tons of plates, 16,398 tons of rails, 6,758 tons of tie plates and track material, 42,693 tons of hot rolled bars, 26,815 tons of pipes and tubes, 30,432 tons of wire rods, 23,096 tons of black sheets, 9,888 tons of galvanized sheets, 8,488 tons of castings, and 55,776 tons of other rolled products. The amount of producers' interchange was 132,799 tons in July, 1952, as against, 131,687 tons in July, 1951.

Of the amounts shipped for sale during July, 42,744 tons went direct to railways and railway car shops; 9,638 tons went to pressing, forming and stamping plants; 36,495 tons to merchant trade products; 36,788 tons to building construction; 39,241 tons to the containers industry; 12,146 tons to agricultural equipment; 15,725 tons to the automotive industry; 15,189 tons to machinery plants; 4,476 tons to shipbuilding; 20,236 tons to mining, lumbering, etc., and 10,053 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 22,645 tons, and exports for 4,879 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 132,799 tons in July, 1952.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, July, 1952

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
Carbon Steel			
Billets, etc., for forging	10,913	6,495	2,680
Other semi-finished shapes, not for re-rolling by makers	34,498	1,359	32,599
Structural shapes and piling	18,592	18,594	...
Plates	20,953	22,367	...
Rails	19,963	16,398	...
Tie plates and track material: Splice bars	1,143	1,464	...
Tie plates	5,059	3,820	...
Spikes	1,372	1,474	...
Concrete reinforcing bars	12,262	11,183	...
Hot rolled bars for cold finishing	483	...	559
Other hot rolled bars	34,976	36,793	5,592
Pipes and tubes	25,199	26,815	4
Wire rods	29,458	30,232	64
Hot rolled black sheets	55,183	9,120	48,461
Cold reduced black sheets	17,752	13,976	4,797
Galvanized sheets	9,178	9,888	69
Steel castings	5,874	6,303	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	70,437	43,116	37,269
Total - Carbon Steel	373,295	259,397	132,094

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, July, 1952 (Concluded)

	Production (Including producers' interchange)	Shipments For Producers' sale interchange	
	(Tons of 2,000 pounds)		
Alloy Steel			
Billets, etc., for forging	1,131	1,038	...
Other semi-finished shapes, not for re-rolling by makers.	705	...	705
Structural shapes and piling .....	...	...	...
Plates	43	38	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,891	5,900	...
Pipes and tubes .....	...	...	...
Wire rods	250	200	...
Steel castings	2,222	2,185	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	1,517	1,477	...
Total - Alloy Steel	12,759	10,838	705

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Seven Months Ended July, 1952

	Production (Including producers' interchange)	Shipments For Producers' sale interchange	
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	68,688	41,633	25,628
Other semi-finished shapes, not for re-rolling by makers.	313,339	10,984	302,015
Structural shapes and piling	105,221	110,943	...
Plates	139,100	138,766	19
Rails	153,302	153,161	...
Tie plates and track material: Splice bars	11,166	11,047	...
Tie plates	42,986	44,861	...
Spikes	10,083	10,178	...
Concrete reinforcing bars	86,628	82,246	...
Hot rolled bars for cold finishing	7,218	...	7,201
Other hot rolled bars	346,139	279,114	66,241
Pipes and tubes	176,683	173,755	4
Wire rods	203,403	202,699	564
Hot rolled black sheets	432,845	72,563	360,772
Cold reduced black sheets	131,217	93,534	37,600
Galvanized sheets	67,161	68,069	117
Steel castings	60,038	59,470	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	470,889	220,694	244,993
Total - Carbon Steel	2,826,106	1,773,717	1,045,154
<u>Alloy Steel</u>			
Billets, etc., for forging	8,613	8,289	...
Other semi-finished shapes, not for re-rolling by makers.	1,886	...	1,886
Structural shapes and piling .....	...	...	...
Plates	639	823	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	58,353	57,398	20
Pipes and tubes .....	...	...	...
Wire rods	677	628	...
Steel castings	17,232	15,949	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	9,214	8,790	...
Total - Alloy Steel	96,614	91,877	1,906

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

	J u l y		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	10,428	5,297	63,280	43,389
Agricultural, including farm machinery ...	11,973	153	87,301	2,205
Building construction	36,729	59	222,019	666
Containers industry	39,239	2	166,285	29
Machinery and tools	14,363	826	114,308	6,664
Merchant trade products	36,035	460	253,125	1,913
Mining, lumbering, etc.	18,946	1,290	110,856	9,504
National defence	6,932	123	43,080	3,576
Pressing, forming and stamping	9,585	53	75,046	572
Public works and utilities	1,543	37	11,641	381
Railway operating	27,866	113	258,995	1,525
Railway cars and locomotives	14,632	133	118,474	1,918
Shipbuilding	4,407	69	28,433	904
Miscellaneous and unclassified	1,250	168	7,641	1,276
Wholesalers and warehouses	22,468	177	184,106	1,272
Direct export (a) to British Empire	1,417	801	7,363	7,391
(b) to other countries	1,584	1,077	21,564	8,692
Total Shipped for Sale	259,397	10,838	1,773,717	91,877
Producers' interchange	132,094	705	1,045,154	1,906

Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	...	...	...	1,474	...	...
Malleable	United States	...	...	...	86	...	...
Ingots	United States	4,329	...	...	48,276	...	...
Billets, blooms, slabs and sheet bars.	United States	...	...	...	4,737	510	...
	United Kingdom	...	...	...	...	12	...
Tube rounds and tube billets	United States	...	...	...	4,313	78	...
	Belgium	...	...	...	35	...	...
	United kingdom	...	...	...	178	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	763	65	3.2	35,629	4,389	98.3
	United Kingdom	142	106	6.7	2,645	376	63.1
	Belgium	1,276	...	...	36,367	...	...
	France	370	...	...	10,985	...	...
	Japan	...	...	...	5,153	...	...
	Germany	...	...	...	711	...	...
	Sweden	...	...	...	15	...	...
Hot rolled -							
For agricultural implements	United States	583	...	...	10,941	126	...
	United Kingdom	...	...	...	226	...	...
	Belgium	...	...	...	254	...	...
	France	...	...	...	20	...	...
Rounds over 4-7/8", squares over 4"	United States	1	2	...	548	20	1.4
	United Kingdom	...	10	...	165	177	1.1
	Belgium	18	...	...	23	...	...
Angles, channels, etc.	United States	110	...	3.4	6,125	136	13.7
	Belgium	260	...	...	6,873	...	...
	United Kingdom	6	...	...	518	...	...
	France	138	...	...	1,826	...	...
	Germany	...	...	...	25	...	...
	Japan	...	...	...	114	...	...
Structurals (bar sizes) for agricultural implements	United States	207	...	...	6,018	...	...
	United Kingdom	...	...	...	22	...	...
Sash or casement sections	United States	31	...	...	1,251	...	...
	Belgium	...	...	...	80	...	...
	Germany	...	...	...	45	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, July, 1952 and Year to Date (Continued)

Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (Concluded)							
Cold rolled, n.o.p.	United States	321	1	1.2	3,900	60	17.9
	United Kingdom	321	1	...	1,150	29	3.2
	Belgium	...	...	...	740	...	...
	Sweden	26	...	...	70	...	...
	Germany	...	...	...	550	...	...
	France	277	...	...	1,766	...	...
Cold rolled, for agricultural implements	United States	83	4	...	2,436	12	...
	United Kingdom	...	...	...	20	...	...
	Belgium	...	...	...	83	...	...
Tool steel	United States	6	29	...	289	860	...
	United Kingdom	34	161	...	186	739	...
	Belgium	...	...	...	127	...	...
Structurals	United States	1,551	...	...	93,581	7	1.3
	United Kingdom	925	...	...	11,928	...	...
	Belgium	4,373	...	...	40,272	...	...
	France	660	...	...	8,817	...	...
	Germany	74	...	...	867	...	...
	Japan	...	...	...	420	...	...
Plates -							
78" and under in width	United States	2,977	...	28.7	68,803	140	604.7
	United Kingdom	1,972	...	...	12,453	48	8.6
	France	512	...	...	4,576	...	...
	Germany	231	...	...	4,575	...	...
	Japan	1,282	...	...	13,661	...	...
	Belgium	68	...	...	6,298	...	...
	Austria	...	...	...	498	...	...
	Italy	...	...	...	29	...	...
Over 78" and under 100" in width ...	United States	1,324	...	...	25,672	51	59.7
	United Kingdom	2,053	...	...	12,308	...	4.6
	Belgium	...	...	...	340	...	...
	France	...	...	...	525	...	...
	Japan	354	...	...	1,350	...	...
	Austria	...	...	...	168	...	...
	Germany	...	...	...	176	...	...
100" in width and over	United States	22	...	...	4,095	44	...
	United Kingdom	78	...	...	860	...	...
	Belgium	...	...	...	5	...	...
	Japan	...	...	...	8	...	...
Flanged, dished or curved	United States	4	...	.1	1,525	...	23.9
	United Kingdom	...	...	...	36	...	...
Boiler, pulp-mill digesters	United States	102	...	...	2,293	...	...
	United Kingdom	...	...	...	775	...	...
	Belgium	...	...	...	30	...	...
	Japan	...	...	...	53	...	...
Chequered or surface pattern	United States	173	...	...	5,021	...	...
	United Kingdom	...	...	...	435	...	...
	Belgium	...	...	...	20	...	...
Sheets -							
Silicon .075 or more	United States	...	298	...	...	12,173	...
	United Kingdom	...	37	...	...	283	...
Galvanized	United States	549	...	...	7,076	...	...
	United Kingdom	715	...	...	2,762	...	...
Hot rolled -							
18 gauge and heavier	United States	2,437	14	21.1	46,702	320	483.6
	Germany	60	...	...	963	...	...
	Belgium	...	...	...	1,745	...	...
	United Kingdom	386	...	16.7	2,788	...	147.1
	France	229	...	...	231	...	...
	Sweden	46	...	...	46	2	...
	Japan	...	...	...	1,842	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, July, 1952 and Year to Date (Continued)

Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets - (Concluded)							
Hot rolled - (Concluded)							
Lighter than 18 gauge	United States	281	...	12.6	2,372	72	147.8
	United Kingdom	22	...	9.7	341	...	24.3
For cold rolling	United States	...	...	...	43	...	...
For hollow ware (vitreous enamel).	United States	109	...	...	1,427	...	...
	United Kingdom	...	...	...	53	...	...
Corrugated	United States	412	...	...	3,193	...	...
	United Kingdom	21	...	...	114	...	...
Coated with paint, tar, asphaltum, etc.	United States	25	...	...	246	...	...
For saws	United States	3	30	...	106	319	...
	United Kingdom	...	...	...	4	18	...
	Sweden	...	1	...	...	1	...
For tubes	United States	...	...	...	495	...	...
Cold rolled -							
18 gauge and heavier	United States	276	...	54.9	15,886	55	549.8
	United Kingdom	16	...	...	340	...	15.5
Lighter than 18 gauge	United States	759	14	22.8	16,627	35	612.2
	United Kingdom	137	...	14.8	1,114	...	26.6
	Belgium	...	...	...	25	...	...
For hollow ware (vitreous enamel).	United States	100	...	...	2,028	...	...
	United Kingdom	82	...	...	117	...	...
	United States	...	...	...	165	...	...
Black plate - Tin mill	United States	9	...	...	239	...	...
Coated with paint, tar, asphaltum, etc.	United States	...	...	...	185	...	...
For heating apparatus	United States	...	...	...	7	2	...
For saws	United States	1	1	...	4	2	...
	Sweden	...	1	...	...	...	...
For tubes	United States	211	...	...	2,671	...	...
Tin plate - Primes	United Kingdom	41	...	...	373	...	...
	United States	...	...	...	26	...	...
Electrolytic 25#	United States	...	...	...	139	...	...
	United Kingdom	...	...	...	3	...	...
Terne plate - Long	United States	124	...	...	2,969	...	...
	United Kingdom	...	...	...	28	...	...
Short	United States	...	...	...	930	...	...
	United Kingdom	...	...	...	14	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,777	...	.3	14,656	35	13.3
	United Kingdom	3	...	...	222	...	...
	Belgium	...	...	...	265	...	...
	France	11	...	...	11	...	...
Lighter than 18 gauge	United States	13	5	...	835	109	93.9
	United Kingdom	4	...	...	4	1	...
	Belgium	...	...	...	6	...	...
For cold rolling	United States	20	...	...	1,067	...	...
	United Kingdom	...	...	...	20	...	...
Painted	United States	...	...	...	17	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...	115	...	...
	United Kingdom	...	...	...	27	...	...
For saws	United States	20	...	...	226	50	...
	United Kingdom	...	1	...	2	1	...
	Sweden	...	3	...	1	13	...
For motor vehicles	United States	164	...	...	7,615	...	...
For hoops	United States	...	...	...	634	...	...
	United Kingdom	...	...	...	91	...	...
	Belgium	...	...	...	54	...	...
For tubes	United States	...	...	...	1,109	3	...
	United Kingdom	...	...	...	...	14	...
For tubular products	United States	...	...	...	99	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, July, 1952 and Year to Date (Continued)

Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip - (Concluded)							
Cold rolled -							
18 gauge and heavier	United States	304	...	12.6	3,142	46	304.4
	United Kingdom	69	...	...	116	...	...
	Sweden	...	...	...	29	...	...
	Germany	...	...	...	13	...	...
Lighter than 18 gauge	United States	341	23	40.4	3,677	439	365.2
	Sweden	5	...	...	469	1	1.9
	United Kingdom	43	...	.3	147	...	1.2
	Germany	...	...	...	4	18	...
Painted	United States	86	...	...	4,321	...	...
	Germany	...	...	...	15	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	20	...	...	80	...	...
	United Kingdom	...	...	...	81	...	...
For saws	United States	1	3	...	46	152	...
	Sweden	2	7	...	28	46	...
For tubes	United States	146	...	...	2,447	38	...
For tubular products	United States	29	...	...	1,530	...	...
For butt hinges	United States	57	...	...	1,953	...	...
	United Kingdom	...	...	...	28	...	...
	Sweden	...	...	...	8	...	...
For hoops	United States	...	...	...	68	...	...
	United Kingdom	...	...	...	27	...	...
Galvanized strip	United States	88	...	...	3,187	...	...
	United Kingdom	30	...	...	311	...	...
	Germany	...	...	...	35	...	...
	Belgium	11	...	...	11	...	...
Skelp -							
15-3/8" in width	United States	...	...	...	49,985	...	...
	France	...	...	...	1,012	...	...
	Belgium	...	...	...	9,938	...	...
	United Kingdom	...	...	...	2,942	...	...
	Germany	...	...	...	325	...	...
Over 15-3/8" in width	United States	...	...	...	2,254	...	...
Plate	United States	...	...	...	23,129	...	...
Pipes and tubes -							
Cast	United States	24	...	...	200	...	...
	United Kingdom	1,512	...	...	6,110	...	...
	Germany	20	...	...	20	...	...
Bedstead	United States	5	...	...	91	...	...
	United Kingdom	...	...	...	6	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	186	1	4.5	4,338	56	24.3
	United Kingdom	140	...	...	2,234	...	21.5
	Sweden	...	...	...	18	...	...
Cold drawn	United States	9	...	...	1,042	15	16.0
	United Kingdom	57	...	...	910	6	1.4
	Sweden	...	...	...	3	...	...
Welded	United States	31	...	...	1,343	...	.8
	United Kingdom	452	...	...	563	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	213	79	25.8	3,492	542	178.1
	United Kingdom	194	1	43.6	1,297	13	138.2
	Sweden	...	...	...	106	40	.1
	Germany	...	...	...	119	...	...
	Belgium	...	...	...	2	...	...
	Japan	...	...	...	3	...	...
Hot finished	United States	376	282	19.9	7,475	857	42.9
	United Kingdom	4,025	...	...	10,735	2	5.5
	Germany	...	...	...	57	...	...
	Sweden	12	...	...	12	67	...

Table 14 - Imports of Primary Forms of Iron and Steel, July, 1952 and Year to Date (Continued)

Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes - (Concluded)							
Seamless, over 12" in diameter -							
Hot finished	United States	88	...	...	2,072	35	1.5
	United Kingdom	1,230	...	...	3,795	...	...
Welded, 4" and under in diameter ...	United States	39	...	3.6	2,155	23	54.9
	United Kingdom	...	...	...	3,724	...	8.6
	Germany	...	...	...	96	...	...
Welded, over 4" in diameter	United States	13,459	...	2.5	37,222	...	5.4
	United Kingdom	743	...	...	1,534	...	...
	Germany	...	...	...	78	...	...
	Belgium	...	...	...	13	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	64	...	...	321	...	...
Spiral welded	United States	122	...	...	1,194	...	...
Casings	United States	1,725	...	...	23,567	...	...
	United Kingdom	765	...	...	8,628	...	...
	Germany	...	...	...	334	...	...
	France	...	...	...	981	...	...
Fittings and couplings	United States	487	1	9.1	3,326	8	46.3
	United Kingdom	135	...	...	346	...	...
	Germany	...	...	...	31	...	...
	Sweden	...	...	...	1	...	...
Wire rope							
	United States	53	...	2.5	656	...	7.5
	United Kingdom	112	...	...	491	...	...
	Belgium	...	...	...	3	...	...
	Germany	20	...	...	60	...	...
	Holland	...	...	...	30	...	...
Wire for rope	United States	649	...	...	14,878	...	.8
	United Kingdom	576	...	...	4,411	...	3.0
	Belgium	...	...	...	9	...	...
	West Germany	...	...	...	132	...	...
Wire - For corset laces, steels, etc..	United States	...	...	...	217	...	...
	United Kingdom	...	...	...	1	...	...
For spring mattresses, etc. ...	United States	22	...	...	1,172	...	...
	United Kingdom	...	...	...	12	...	...
Wire cloth and netting	United States	42	...	...	616	...	2.9
	United Kingdom	8	...	...	64	...	...
	Belgium	...	...	...	62	...	...
Wire, coated	United States	26	...	...	1,091	...	...
	United Kingdom	...	...	...	60	...	...
	Germany	5	...	...	8	...	...
	Belgium	...	...	...	4	...	...
Wire, all other	United States	65	4	.3	4,526	10	9.5
	United Kingdom	37	...	...	74	...	1.0
	Germany	...	...	...	58	...	.4
	Italy	...	...	...	19	...	...
	Sweden	1	...	...	26	...	...
	Belgium	22	...	...	229	...	...
	France	...	...	...	61	...	...
Wire rods, not over 3/8" in diameter .	United States	41	...	...	854	1	...
	Belgium	...	...	...	1,665	...	...
	Germany	...	...	...	696	...	...
Welding wire and welding rods	United States	52	11	5.6	1,357	221	44.7
	Belgium	...	...	...	157	...	...
	Japan	...	...	...	88	...	...
	United Kingdom	...	...	...	1	1	...

Table 14 - Imports of Primary Forms of Iron and Steel, July, 1952 and Year to Date (Concluded)

Commodity	Country of origin	J u l y			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Castings -							
For agricultural implements	United States	108	...	...	1,865	38	...
For ingot moulds	United States	2	...	...	13,002	...	...
	United Kingdom	...	...	...	918	...	...
Malleable	United States	151	...	...	934	...	...
	United Kingdom	...	...	...	1	...	...
Non-malleable	United States	38	...	...	306	...	...
Steel	United States	45	55	...	275	114	.9
	Germany	...	...	...	1	...	...
	United Kingdom	1	...	...	61	...	...
	France	...	...	...	93	...	...
	Norway	48	...	...	95	...	...
	Belgium	18	...	...	60	...	...
For railway vehicles	United States	26	...	...	102	...	...
	United Kingdom	3	...	...	37	...	...
Rolls	United States	88	80	...	2,052	517	...
	United Kingdom	...	2	...	36	75	...
	Germany	...	...	...	1	...	...
	France	...	...	...	86	...	...
Piston rings (rough)	United States	30	...	...	140	...	...
Forgings	United States	50	30	...	1,113	293	1.3
	United Kingdom	118	5	...	1,254	16	...
	France	5	...	...	5	...	...
Wheels - For railway rolling stock	United States	...	...	...	111	...	...
	United Kingdom	1,634	...	...	5,354	...	...
Tires - For railway rolling stock	United States	7	...	...	99	...	...
	United Kingdom	1,178	...	...	2,459	...	...
Axles - For railway vehicles	United States	...	...	...	63	...	...
	United Kingdom	191	...	...	425	...	...
Rails -							
60 lb. and under	United States	315	...	...	1,448	...	...
	Belgium	71	...	...	271	...	...
	France	55	...	...	161	...	...
	Germany	...	...	...	33	...	...
Over 60 lb. and including 100 lb.	United States	...	...	...	1,935	...	...
Over 100 lb.	United States	28	...	...	1,912	...	...
Track material -							
Angles, bars, tie plates, rail joints..	United States	136	...	...	2,077	...	...
	Belgium	55	...	...	140	...	...
	United Kingdom	...	...	...	871	...	...
	Germany	...	...	...	1	...	...
Intersections, switches, frogs	United States	8	...	...	1,063	...	...
	France	...	...	...	4	...	...
	Belgium	...	...	...	3	...	...
Total Imports	United States	39,759	1,032	275.1	694,439	23,012	3,828.9
	All other	30,826	336	91.8	284,151	2,001	476.9
TOTAL		70,585	1,368	366.9	978,590	25,013	4,305.8

Table 15 - Exports of Primary Iron and Steel, July, 1952 and Year to Date

	J u l y		Year to date	
	(Tons of 2,000 pounds)			
Pig iron	39,968		197,089	
Ingots, blooms and billets	4,490		21,009	
Bars	3,033		19,464	
Rods .....	...		100	
Plates, sheets and strips	1,389		13,090	
Rails .....	...		144	
Structural shapes	778		3,744	
Pipe and tubing - Wrought iron ...	26		993	
Cast iron	114		720	
Galvanized .....	...		964	
Other	143		1,600	
Castings, iron and steel	796		10,505	
Forgings	470		3,510	
Total	51,207		272,932	



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PRIMARY IRON AND STEEL

AUGUST - 1952

Pig Iron - Production of pig iron in Canada amounted to 221,387 tons in August compared with 203,186 tons in the corresponding month of last year. The total for the current month included 177,944 tons of basic iron, 13,707 tons of foundry iron and 29,736 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in August amounted to 16,583 tons, compared with 15,508 tons in the previous month and with 25,327 tons in August of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during August totalled 298,913 tons, compared with 286,804 tons in August of last year. Output in the month under review included 289,574 tons of ingots and 9,339 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During August, 1951 and 1952

	August - 1951		August - 1952	
	Tonnage made(*)	Tonnage shipped	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Pig iron -</u>				
Basic	164,370	18,124	177,944	18,535
Foundry	19,168	20,367	13,707	12,934
Malleable	19,648	17,260	29,736	27,900
Total Pig iron	203,186	55,751	221,387	59,369
<u>Ferro-alloys -</u>	25,327	Not available	16,583	6,378

(*) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Eight Months Ended August, 1951 and 1952

	1951		1952	
	Tonnage made(*)	Tonnage shipped	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Pig iron -</u>				
Basic	1,300,049	93,704	1,391,638	112,088
Foundry	207,830	203,933	134,585	132,823
Malleable	163,817	167,703	254,470	239,565
Total Pig iron	1,671,696	465,340	1,780,693	484,476
<u>Ferro-alloys -</u>	159,230	Not available	157,376	126,892

(*) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During August, 1951 and 1952 and Eight Months Ended August, 1951 and 1952

	August 1951	August 1952	Eight months ended August	
			1951	1952
(Net tons of 2,000 pounds)				
Iron ore - Canadian	104,981	127,738	887,341	1,002,981
Imported	242,484	268,130	1,993,451	2,208,395
Mill cinder, scale, sinter, etc. ..	47,410	39,283	345,802	253,037
Limestone	74,798	80,343	616,954	668,855
Dolomite	13,586	15,881	105,963	134,394
Coke	193,155	202,967	1,544,039	1,663,631
Scrap iron and steel	6,706	10,840	49,968	67,016

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Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd. ..	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
	Total	15	3,025,000

Table 5 - Description of Iron Blast Furnaces at End of August, 1952

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	13	2,754,900	91.1
Banked .....	...	...	...
Blown out	2	270,100	8.9
Total	15	3,025,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During August, 1951 and 1952

	August, 1951		August, 1952	
	Tonnage made(*)	Tonnage shipped	Tonnage made(*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel ingots</u>				
Open hearth - basic	238,477	13,211	250,129	10,058
Electric	39,454	4,104	39,445	7,570
Total Steel ingots	277,931	17,315	289,574	17,628
Alloy steel ingots included in above	19,944	15	15,060	29
<u>Steel castings</u>				
Open hearth - basic	2,698	2,377	3,131	2,855
Converter	17	14	30	51
Electric	6,158	4,961	6,178	5,371
Total Steel castings	8,873	7,352	9,339	8,277
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	128	114	95	77
(b) High alloy, manganese and abrasion resistant.	833	497	1,196	1,264
(c) All other alloys	603	248	699	474

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Eight Months Ended August, 1951 and 1952

	1 9 5 1		1 9 5 2	
	Tonnage made(*)	Tonnage shipped	Tonnage made(*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel ingots</u>				
Open hearth - basic	1,952,322	87,943	2,033,476	106,144
Electric	355,524	38,511	387,234	55,924
Total Steel ingots	2,307,846	126,454	2,420,710	162,068
Alloy steel ingots included in above	145,842	5,364	136,095	401

Table 7 - Cumulative Production and Sales for the Eight Months Ended August, 1951 and 1952 (Concluded)

	1 9 5 1		1 9 5 2	
	Tonnage made(*)	Tonnage shipped	Tonnage made(*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel castings</u>				
Open hearth - basic	18,981	16,928	23,338	21,164
Converter	131	86	280	261
Electric	59,139	45,779	62,908	47,812
Total Steel castings	78,251	62,793	86,526	69,237
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant			858	733
(b) High alloy, manganese and abrasion resistant)	15,820	8,764	7,485	12,422
(c) All other alloys			20,446	2,818

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During August, 1951 and 1952, and Eight Months Ended August, 1952

	August 1951	August 1952	Eight months ended August, 1952
	(Net tons of 2,000 pounds)		
Pig iron	149,719	160,607	1,334,871
Scrap - Own make	80,580	76,109	690,479
Purchased	81,168	79,060	709,793

Table 9 - Steel Furnace Capacity at First of January, 1951

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952

Table 10 - Monthly Production of Pig iron, Ferro-alloys and Steel, 1952 and 1953

Month	Pig iron	Ferro-alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 5 1</u>					
January	201,131	19,062	299,410	10,243	309,653
February	193,228	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
Total - Eight months	1,671,696	159,230	2,307,846	78,251	2,386,097
September	212,485	22,977	257,880	10,350	268,230
October	224,511	25,777	298,159	11,255	309,414
November	223,467	22,271	295,485	11,590	307,075
December	220,537	20,675	286,755	9,790	296,545
Total	2,552,696	250,930	3,446,125	121,236	3,567,361

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952 (Concluded)

Table 10 - Monthly Production of Pig Iron, Ferro Alloys and Steel, 1971 and 1972 (Continued)					
Month	Pig iron	Ferro-alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
<u>1 9 5 2</u>					
January	209,153	21,458	305,721	11,313	317,034
February	199,162	22,171	294,346	11,519	305,865
March	240,755	23,097	327,885	11,511	339,396
April	214,330	19,856	304,956	11,685	316,641
May	237,079	21,112	318,890	11,634	330,524
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	285,332	8,076	293,408
August	221,387	16,583	289,574	9,339	298,913
Total - Eight months	1,780,693	157,376	2,420,710	86,526	2,507,236

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 232,669 net tons in August, 1952, compared with 245,385 tons in August, 1951. The August shipments included 471 tons of semi-finished shapes, 15,101 tons of structurals, 17,868 tons of plates, 20,516 tons of rails, 6,259 tons of tie plates and track material, 33,329 tons of hot rolled bars, 20,133 tons of pipes and tubes, 27,622 tons of wire rods, 22,749 tons of black sheets, 8,333 tons of galvanized sheets, 9,606 tons of castings, and 40,887 tons of other rolled products. The amount of producers' interchange was 126,279 tons in August, 1952, as against, 146,207 tons in August, 1951.

Of the amounts shipped for sale during August, 48,101 tons went direct to railways and railway car shops; 9,801 tons went to pressing, forming and stamping plants; 33,678 tons to merchant trade products; 29,985 tons to building construction; 22,809 tons to the containers industry; 7,392 tons to agricultural equipment; 15,767 tons to the automotive industry; 11,886 tons to machinery plants; 3,401 tons to shipbuilding; 16,197 tons to mining, lumbering, etc., and 6,595 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 20,245 tons, and exports for 6,812 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 126,279 tons in August, 1952.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, August, 1952

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	11,018	9,013	3,245
Other semi-finished shapes, not for re-rolling by makers	34,263	471	33,155
Structural shapes and piling	13,807	15,101	...
Plates	17,163	17,781	...
Rails	18,203	20,516	...
Tie plates and track material: Splice bars	949	943	...
Tie plates	4,660	4,403	...
Spikes	953	913	...
Concrete reinforcing bars	12,986	11,055	...
Hot rolled bars for cold finishing	715	...	668
Other hot rolled bars	36,013	26,325	6,848
Pipes and tubes	20,657	20,133	...
Wire rods	28,077	27,518	198
Hot rolled black sheets	51,744	8,722	44,872
Cold reduced black sheets	19,886	14,027	4,681
Galvanized sheets	8,517	8,333	...
Steel castings	7,358	7,625	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	58,797	29,084	32,195
Total - Carbon Steel	345,766	221,963	125,862

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, August, 1952 (Concluded)

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Alloy Steel</u>			
Billets, etc., for forging	795	782	...
Other semi-finished shapes, not for re-rolling by makers	442	...	417
Structural shapes and piling .....	...	...	...
Plates	53	87	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	7,494	7,004	...
Pipes and tubes .....	...	...	...
Wire rods	86	104	...
Steel castings	1,980	1,981	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other) ...	636	748	...
Total - Alloy Steel	11,486	10,706	417

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Eight Months Ended August, 1952

	August, 1972	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
		(Tons of 2,000 pounds)		
<u>Carbon Steel</u>				
Billets, etc., for forging	79,706	50,646	28,873	
Other semi-finished shapes, not for re-rolling by makers	347,602	11,455	335,170	
Structural shapes and piling	119,028	126,044	...	
Plates	156,263	156,547	19	
Rails	171,505	173,677	...	
Tie plates and track material: Splice bars	12,115	11,990	...	
Tie plates	47,646	49,264	...	
Spikes	11,036	11,091	...	
Concrete reinforcing bars	99,614	93,301	...	
Hot rolled bars for cold finishing	7,933	...	7,869	
Other hot rolled bars	382,152	305,439	73,089	
Pipes and tubes	197,340	193,888	4	
Wire rods	231,480	230,217	762	
Hot rolled black sheets	484,589	81,285	405,644	
Cold reduced black sheets	151,103	107,561	42,281	
Galvanized sheets	75,678	76,402	117	
Steel castings	67,396	67,095	...	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	529,686	249,778	277,188	
Total - Carbon Steel	3,171,872	1,995,680	1,171,016	
<u>Alloy Steel</u>				
Billets, etc., for forging	9,408	9,071	...	
Other semi-finished shapes, not for re-rolling by makers	2,328	...	2,303	
Structural shapes and piling .....	...	...	...
Plates	692	910	...	
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	65,847	64,402	20	
Pipes and tubes .....	...	...	...
Wire rods	763	732	...	
Steel castings	19,212	17,930	...	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other) ...	9,850	9,538	...	
Total - Alloy Steel	108,100	102,583	2,323	

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 13 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, August, 1952 and Year to Date

	A u g u s t		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	10,161	5,606	73,441	48,995
Agricultural, including farm machinery .	7,271	121	94,572	2,326
Building construction	29,923	62	251,942	728
Containers industry	22,807	2	189,092	31
Machinery and tools	11,097	789	125,405	7,453
Merchant trade products	33,371	307	286,496	2,220
Mining, lumbering, etc.	15,077	1,120	125,933	10,624
National defence	4,208	140	47,288	3,716
Pressing, forming and stamping	9,727	74	84,773	646
Public works and utilities	1,080	71	12,721	452
Railway operating	30,788	147	289,783	1,672
Railway cars and locomotives	17,020	146	135,494	2,064
Shipbuilding	3,284	117	31,717	1,021
Miscellaneous and unclassified	910	186	8,751	1,462
Wholesalers and warehouses	20,138	107	204,244	1,379
Direct export (a) to British Empire	109	893	7,472	8,284
(b) to other countries ...	4,992	818	26,556	9,510
Total Shipped for Sale	221,963	10,706	1,995,680	102,583
Producers' interchange	125,862	417	1,171,016	2,323

Table 14 - Imports of Primary Forms of Iron and Steel, August, 1952 and Year to Date

Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	...	...	...	1,474	...	...
Malleable	United States	...	...	...	86	...	...
Ingots	United States	8,017	...	...	56,293	...	...
Billets, blooms, slabs and sheet bars .	United States	...	37	...	4,737	547	...
	United Kingdom	...	...	...	...	12	...
Tube rounds and tube billets	United States	...	...	...	4,313	78	...
	Belgium	...	...	...	35	...	...
	United Kingdom	...	...	...	178	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	2,263	322	.4	37,892	4,711	98.7
	United Kingdom	82	135	2.9	2,727	511	66.0
	Belgium	329	...	...	36,696	...	...
	France	724	...	...	11,709	...	...
	Japan	...	...	...	5,153	...	...
	Germany	...	...	...	711	...	...
	Sweden	...	...	...	15	...	...
Hot rolled -							
For agricultural implements	United States	1,906	...	...	12,847	126	...
	United Kingdom	7	...	...	233	...	...
	Belgium	...	...	...	254	...	...
	France	...	...	...	20	...	...
Rounds over $\frac{7}{8}$ " , squares over 4" ..	United States	137	5	...	685	25	1.4
	United Kingdom	90	6	...	255	183	1.1
	Belgium	...	...	...	23	...	...
Angles, channels, etc.	United States	997	8	...	7,122	144	13.7
	Belgium	277	...	...	7,150	...	...
	United Kingdom	61	...	...	579	...	...
	France	...	...	...	1,826	...	...
	Germany	...	...	...	25	...	...
	Japan	...	...	...	114	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, August, 1952 and Year to Date (Continued)

Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Bars and sections - (concluded)							
Hot rolled - (concluded)							
Structurals (bar sizes) for agri- cultural implements	United States	182	...	...	6,200	...	...
	United Kingdom	...	...	...	22	...	...
Sash or casement sections	United States	87	...	...	1,338	...	...
	Belgium	...	...	...	80	...	...
	Germany	...	...	...	45	...	...
Cold rolled, n.o.p.	United States	256	1	1.7	4,156	61	19.6
	United Kingdom	56	8	...	1,206	37	3.2
	Belgium	...	...	...	740	...	...
	Sweden	66	...	...	136	...	...
	Germany	...	...	...	550	...	...
	France	822	...	...	2,588	...	...
Cold rolled, for agricultural implements	United States	117	...	...	2,553	12	...
	United Kingdom	...	...	...	20	...	...
	Belgium	...	...	...	83	...	...
Tool steel	United States	61	30	...	350	890	...
	United Kingdom	41	181	...	227	920	...
	Belgium	...	...	...	127	...	...
Structurals	United States	8,514	...	...	102,095	7	1.3
	United Kingdom	771	...	...	12,699	...	...
	Belgium	4,273	...	...	44,545	...	...
	France	108	...	...	8,925	...	...
	Germany	...	...	...	867	...	...
	Japan	...	...	...	420	...	...
Plates -							
78" and under in width	United States	4,400	8	16.2	73,203	148	620.9
	United Kingdom	1,716	...	...	14,169	48	8.6
	France	46	...	...	4,622	...	...
	Germany	...	...	...	4,575	...	...
	Japan	1,169	...	...	14,830	...	...
	Belgium	...	...	...	6,298	...	...
	Austria	...	...	...	498	...	...
	Italy	...	...	...	29	...	...
	Sweden	...	...	.8	...	...	.8
Over 78" and under 100" in width	United States	1,791	...	...	27,463	51	59.7
	United Kingdom	1,485	...	...	13,793	...	4.6
	Belgium	...	...	...	340	...	...
	France	...	...	...	525	...	...
	Japan	...	...	...	1,350	...	...
	Austria	...	...	...	168	...	...
	Germany	...	...	...	176	...	...
100" in width and over	United States	185	...	...	4,280	44	...
	United Kingdom	55	...	...	915	...	...
	Belgium	...	...	...	5	...	...
	Japan	...	...	...	8	...	...
Flanged, dished or curved	United States	58	...	.5	1,583	...	24.4
	United Kingdom	...	...	...	36	...	...
Boiler, pulp-mill digesters	United States	86	...	...	2,379	...	...
	United Kingdom	168	...	...	943	...	...
	Belgium	...	...	...	30	...	...
	Japan	28	...	...	81	...	...
Chequered or surface pattern	United States	279	...	...	5,300	...	...
	United Kingdom	27	...	...	462	...	...
	Belgium	...	...	...	20	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, August, 1952 and Year to Date (Continued)

Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets -							
Silicon .075 or more	United States	...	570	...	...	12,743	...
	United Kingdom	...	156	...	...	439	...
Galvanized	United States	639	...	...	7,715	...	...
	United Kingdom	196	...	...	2,958	...	...
Hot rolled -							
18 gauge and heavier	United States	4,680	1	4.8	51,382	321	488.4
	Germany	...	...	...	963	...	...
	Belgium	...	...	...	1,745	...	...
	United Kingdom	336	...	24.5	3,124	...	171.6
	France	...	...	...	231	...	...
	Sweden	...	...	...	46	2	...
	Japan	57	...	...	1,899	...	...
Lighter than 18 gauge	United States	113	...	6.4	2,485	72	154.2
	United Kingdom	...	...	.6	341	...	24.9
For cold rolling	United States	...	...	...	43	...	...
For hollow ware (vitreous enamel) .	United States	103	...	...	1,530	...	...
	United Kingdom	...	...	...	53	...	...
Corrugated	United States	284	...	...	3,477	...	...
	United Kingdom	1	...	...	115	...	...
Coated with paint, tar, asphaltum, etc.	United States	66	...	...	312	...	...
For saws	United States	11	22	...	117	341	...
	United Kingdom	...	...	...	4	18	...
	Sweden	...	...	...	...	1	...
For tubes	United States	...	...	...	495	...	...
Cold rolled -							
18 gauge and heavier	United States	816	...	36.4	16,702	55	586.2
	United Kingdom	...	...	...	340	...	15.5
Lighter than 18 gauge	United States	2,086	51	46.2	18,713	86	658.4
	United Kingdom	267	...	...	1,381	...	26.6
	Belgium	...	...	...	25	...	...
For hollow ware (vitreous enamel) .	United States	140	...	...	2,168	...	...
	United Kingdom	...	...	...	117	...	...
Black plate - Tin mill	United States	...	...	...	165	...	...
Coated with paint, tar, asphaltum, etc.	United States	1	...	...	240	...	...
For heating apparatus	United States	41	...	...	226	1	...
For saws	United States	...	1	...	7	3	...
	Sweden	...	...	...	4	2	...
For tubes	United States	85	16	...	2,756	16	...
Tin plate - Primes	United Kingdom	12	...	...	385	...	...
	United States	2	...	...	28	...	...
Electrolytic 25#	United States	40	...	...	179	...	...
	United Kingdom	...	...	...	3	...	...
Terne plate - Long	United States	563	...	...	3,532	...	...
	United Kingdom	...	...	...	28	...	...
Short	United States	34	...	...	964	...	...
	United Kingdom	...	...	...	14	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	2,288	...	...	16,944	35	13.3
	United Kingdom	...	...	...	222	...	...
	Belgium	35	...	...	300	...	...
	France	...	...	...	11	...	...
Lighter than 18 gauge	United States	1	...	12.8	836	109	106.7
	United Kingdom	...	...	...	4	1	...
	Belgium	...	...	...	6	...	...
For cold rolling	United States	78	...	...	1,145	...	...
	United Kingdom	...	...	...	20	...	...
Painted	United States	...	...	...	17	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, August, 1952 and Year to Date (Continued)

Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip - (concluded)							
Hot rolled - (concluded)							
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...	115	...	...
	United Kingdom	...	...	...	27	...	...
For saws	United States	...	9	...	226	59	...
	United Kingdom	...	...	...	2	1	...
	Sweden	...	1	...	1	14	...
For motor vehicles	United States	301	...	...	7,916	...	...
For hoops	United States	21	...	...	655	...	...
	United Kingdom	...	...	...	91	...	...
	Belgium	...	...	...	54	...	...
For tubes	United States	...	...	...	1,109	3	...
	United Kingdom	...	...	...	...	14	...
For tubular products	United States	...	...	...	99	...	...
Cold rolled -							
18 gauge and heavier	United States	217	...	7.8	3,359	46	312.2
	United Kingdom	...	...	...	116	...	...
	Sweden	...	...	...	29	...	...
	Germany	...	...	...	13	...	...
Lighter than 18 gauge	United States	355	38	35.5	4,032	477	400.7
	Sweden	...	...	...	469	1	1.9
	United Kingdom	...	...	...	147	...	1.2
	Germany	...	...	...	4	18	...
Painted	United States	221	...	...	4,542	...	...
	Germany	2	...	...	17	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...	80	...	...
	United Kingdom	...	...	...	81	...	...
For saws	United States	1	7	...	47	159	...
	Sweden	...	3	...	28	49	...
For tubes	United States	311	...	...	2,758	38	...
For tubular products	United States	72	...	...	1,602	...	...
For butt hinges	United States	92	...	...	2,045	...	...
	United Kingdom	...	...	...	28	...	...
	Sweden	...	...	...	8	...	...
For hoops	United States	...	...	...	68	...	...
	United Kingdom	...	...	...	27	...	...
Galvanized strip	United States	143	...	...	3,330	...	...
	United Kingdom	5	...	...	316	...	...
	Germany	...	...	...	35	...	...
	Belgium	3	...	...	14	...	...
Skelp -							
15 $\frac{3}{8}$ " in width	United States	3,912	...	...	53,897	...	...
	France	...	...	...	1,012	...	...
	Belgium	1,652	...	...	11,590	...	...
	United Kingdom	...	...	...	2,942	...	...
	Germany	...	...	...	325	...	...
Over 15 $\frac{3}{8}$ " in width	United States	215	...	...	2,469	...	...
Plate	United States	233	...	...	23,362	...	...
Pipes and tubes -							
Cast	United States	6	...	...	206	...	...
	United Kingdom	1,491	...	...	7,601	...	...
	Germany	...	...	...	20	...	...
Bedstead	United States	20	...	...	111	...	...
	United Kingdom	2	...	...	8	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, August, 1952 and Year to Date (Continued)

Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes - (concluded)							
Repair of pressure parts of boilers -							
Hot finished	United States	432	...	...	4,770	56	24.3
	United Kingdom	116	...	...	2,350	...	21.5
	Sweden	5	...	...	23	...	...
	France	38	...	...	38	...	...
Cold drawn	United States	136	...	...	1,178	15	16.0
	United Kingdom	63	...	...	973	6	1.4
	Sweden	1	...	...	4	...	...
Welded	United States	98	...	...	1,441	...	.8
	United Kingdom	...	...	...	563	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	243	50	47.0	3,735	592	225.1
	United Kingdom	253	...	7.5	1,550	13	145.7
	Sweden	1	...	...	107	40	.1
	Germany	...	...	...	119	...	...
	Belgium	...	...	...	2	...	...
	Japan	...	...	...	3	...	...
Hot finished	United States	574	51	11.1	8,049	908	54.0
	United Kingdom	1,428	3	...	12,163	5	5.5
	Germany	...	...	...	57	...	...
	Sweden	...	...	...	12	67	...
	Japan	55	...	...	55	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	69	...	...	2,141	35	1.5
	United Kingdom	7,180	...	...	10,975	...	...
Welded, 4" and under in diameter	United States	252	3	44.9	2,407	26	99.8
	United Kingdom	1,441	...	...	5,165	...	8.6
	Germany	...	...	...	96	...	...
Welded, over 4" in diameter	United States	4,354	...	1.7	41,576	...	7.1
	United Kingdom	237	...	...	1,771	...	...
	Germany	...	...	...	78	...	...
	Belgium	...	...	...	13	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	52	...	...	373	...	...
Spiral welded	United States	417	...	...	1,611	...	...
Casings	United States	2,082	...	...	25,649	...	...
	United Kingdom	1,539	...	...	10,167	...	...
	Germany	333	...	...	667	...	...
	France	176	...	...	1,157	...	...
	Japan	482	...	...	482	...	...
Fittings and couplings	United States	456	2	6.3	3,782	10	52.6
	United Kingdom	153	...	...	499	...	...
	Germany	...	...	...	31	...	...
	Sweden	...	...	...	1	...	...
	Switzerland	2	...	...	2	...	...
Wire rope							
	United States	65	...	1.9	721	...	9.4
	United Kingdom	79	...	...	570	...	...
	Belgium	7	...	...	10	...	...
	Germany	37	...	...	97	...	...
	Holland	...	...	...	30	...	...
Wire for rope	United States	961	...	...	15,839	...	.8
	United Kingdom	351	...	...	4,762	...	3.0
	Belgium	...	...	...	9	...	...
	West Germany	...	...	...	132	...	...
Wire - For corset laces, steels, etc. .	United States	1	...	...	218	...	...
	United Kingdom	...	...	...	1	...	...
For spring mattresses, etc.	United States	38	...	...	1,210	...	...
	United Kingdom	...	...	...	12	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, August, 1952 and Year to Date (Continued)

Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire cloth and netting	United States	85	...	.2	701	...	3.1
	United Kingdom	...	...	...	64	...	...
	Belgium	...	...	...	62	...	...
Wire, coated	United States	126	...	...	1,217	...	...
	United Kingdom	47	...	...	107	...	...
	Germany	...	...	...	8	...	...
	Belgium	34	...	...	38	...	...
Wire, all other	United States	566	1	1.6	5,092	11	11.1
	United Kingdom	12	...	.2	86	...	1.2
	Germany	...	...	...	58	...	.4
	Italy	...	...	...	19	...	...
	Sweden	...	...	...	26	...	...
	Belgium	...	...	...	229	...	...
	France	...	...	...	61	...	...
Wire rods, not over 3/8" in diameter	United States	687	...	...	1,541	1	...
	Belgium	...	...	...	1,665	...	...
	Germany	...	...	...	696	...	...
Welding wire and welding rods	United States	101	14	.9	1,458	235	45.6
	Belgium	...	...	...	157	...	...
	Japan	...	...	...	88	...	...
	United Kingdom	...	...	...	1	1	...
Castings -							
For agricultural implements	United States	54	...	...	1,919	38	...
For ingot moulds	United States	1,891	...	...	14,893	...	...
	United Kingdom	37	...	...	955	...	...
Malleable	United States	41	...	...	975	...	...
	United Kingdom	...	...	...	1	...	...
Non-malleable	United States	11	...	...	317	...	...
Steel	United States	44	...	...	319	114	.9
	Germany	...	...	...	1	...	...
	United Kingdom	...	...	...	61	...	...
	France	172	...	...	265	...	...
	Norway	...	...	...	95	...	...
	Belgium	...	...	...	60	...	...
For railway vehicles	United States	81	...	...	183	...	...
	United Kingdom	...	...	...	37	...	...
Rolls	United States	276	168	...	2,328	685	...
	United Kingdom	29	34	...	65	109	...
	Germany	...	...	...	1	...	...
	France	...	...	...	86	...	...
Piston rings (rough)	United States	7	...	...	147	...	...
Forgings	United States	61	...	...	1,174	293	1.3
	United Kingdom	124	...	...	1,378	16	...
	France	...	...	...	5	...	...
Wheels - For railway rolling stock	United States	...	...	...	111	...	...
	United Kingdom	1,294	...	...	6,648	...	...
Tires - For railway rolling stock	United States	9	...	...	108	...	...
	United Kingdom	402	...	...	2,861	...	...
Axles - For railway vehicles	United States	...	...	...	63	...	...
	United Kingdom	54	...	...	479	...	...
Rails -							
60 lb. and under	United States	257	...	...	1,705	...	...
	Belgium	108	...	...	379	...	...
	France	53	...	...	214	...	...
	Germany	...	...	...	33	...	...
Over 60 lb. and including 100 lb. ...	United States	151	...	...	2,086	...	...
Over 100 lb.	United States	...	...	...	1,912	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, August, 1952 and Year to Date (Concluded)

Commodity	Country of origin	A u g u s t			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Track material -							
Angles, bars, tie plates, rail joints.	United States	214	...	...	2,291	...	...
	Belgium	...	...	...	140	...	...
	United Kingdom	7	...	...	878	...	...
	Germany	...	...	...	1	...	...
	France	61	...	...	61	...	...
Intersections, switches, frogs	United States	92	...	...	1,155	...	...
	France	...	...	...	4	...	...
	Belgium	...	...	...	3	...	...
Total Imports	United States	62,511	1,415	284.3	756,950	24,427	4,113.2
	All other	32,871	527	36.5	317,022	2,528	513.4
TOTAL		95,382	1,942	320.8	1,073,972	26,955	4,626.6

Table 15 - Exports of Primary Iron and Steel, August, 1952 and Year to Date

	August	Year to date
(Tons of 2,000 pounds)		
Pig iron	39,115	236,204
Ingots, blooms and billets	7,167	28,176
Bars	1,104	20,568
Rods	15	115
Plates, sheets and strips	4,453	17,543
Rails	365	509
Structural shapes	175	3,919
Pipe and tubing - Wrought iron	22	1,015
Cast iron	164	884
Galvanized	6	970
Other	244	1,844
Castings, iron and steel	568	11,073
Forgings	542	4,052
Total	53,940	326,872

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PRIMARY IRON AND STEELSEPTEMBER - 1952

Pig Iron - Production of pig iron in Canada amounted to 222,636 tons in September compared with 212,485 tons in the corresponding month of last year. The total for the current month included 163,068 tons of basic iron, 23,783 tons of foundry iron and 35,835 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in September amounted to 17,641 tons, compared with 16,583 tons in the previous month and with 22,977 tons in September of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during September totalled 288,018 tons, compared with 268,230 tons in September of last year. Output in the month under review included 277,684 tons of ingots and 10,334 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During September, 1951 and 1952

	<u>September, 1951</u>		<u>September, 1952</u>	
	Tonnage made(*)	Tonnage shipped	Tonnage made(*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	165,419	16,171	163,068	16,094
Foundry	18,333	19,600	23,783	21,123
Malleable	28,733	25,079	35,835	34,353
Total Pig Iron	212,485	60,850	222,686	71,570
<u>Ferro-alloys -</u>	22,977	Not available	17,641	5,488

(*) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Nine Months Ended September, 1951 and 1952

	<u>1 9 5 1</u>		<u>1 9 5 2</u>	
	Tonnage made(*)	Tonnage shipped	Tonnage made(*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	1,465,468	109,875	1,554,706	128,182
Foundry	226,163	223,533	158,368	153,946
Malleable	192,550	192,782	290,305	273,918
Total Pig Iron	1,884,181	526,190	2,003,379	556,046
<u>Ferro-alloys -</u>	182,207	Not available	175,017	132,380

(*) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During September, 1951 and 1952 and Nine Months Ended September, 1951 and 1952

	<u>September</u> 1951	<u>September</u> 1952	<u>Nine months ended September</u>	
			1951	1952
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	97,755	105,163	985,096	1,108,144
Imported	270,946	297,520	2,264,397	2,505,915
Mill cinder, scale, sinter, etc. ..	44,149	30,655	389,951	283,692
Limestone	78,461	76,737	695,415	745,592
Dolomite	14,470	17,600	120,433	151,994
Coke	198,844	203,894	1,742,883	1,867,525
Scrap iron and steel	5,968	10,886	55,936	77,902

Table 4 - Iron Blast Furnaces (*)

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd.	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	3	595,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,890,000

(*) Revised

Table 5 - Description of Iron Blast Furnaces at End of September, 1952 (*)

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	13	2,755,000	95.3
Banked .....	...	...	...
Blown out	1	135,000	4.7
Total	14	2,890,000	100.0

(*) Revised

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During September, 1951 and 1952

	September - 1951		September - 1952	
	Tonnage made(*)	Tonnage shipped	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	218,755	12,178	230,730	7,850
Electric	39,125	4,512	46,954	8,199
Total Steel Ingots	257,880	16,690	277,684	16,049
Alloy steel ingots included in above	15,451	...	21,163	15
<u>Steel Castings</u>				
Open hearth - basic	3,191	2,959	3,595	3,270
Converter	21	12	18	22
Electric	7,138	5,593	6,721	5,369
Total Steel Castings	10,350	8,564	10,334	8,661
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	362	337	109	74
(b) High alloy, manganese and abrasion resistant	1,109	1,050	1,272	1,273
(c) All other alloys	491	112	806	281

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Nine Months Ended September, 1951 and 1952

	1951		1952	
	Tonnage made(*)	Tonnage shipped	Tonnage made(*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	2,171,077	100,121	2,264,206	113,994
Electric	394,649	43,023	434,188	64,123
Total Steel Ingots	2,565,726	143,144	2,698,394	178,117
Alloy steel ingots included in above	161,293	5,364	157,258	416

Table 7 - Cumulative Production and Sales for the Nine Months Ended September, 1951 and 1952 (Concluded)

	1 9 5 1		1 9 5 2	
	Tonnage made(*)	Tonnage shipped	Tonnage made(*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel Castings</u>				
Open hearth - basic	22,172	19,887	26,933	24,434
Converter	152	98	298	283
Electric	66,277	51,372	69,629	53,181
Total Steel Castings	88,601	71,357	96,860	77,898
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant			967	807
(b) High alloy, manganese and abrasion resistant)	17,782	10,263	8,757	13,695
(c) All other alloys			21,252	3,099

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During September, 1951 and 1952 and Nine Months Ended September, 1952

	September 1951	September 1952	Nine months ended September, 1952
	(Net tons of 2,000 pounds)		
Pig iron	139,798	150,512	1,485,383
Scrap - Own make	79,345	84,392	774,871
Purchased	83,525	78,116	787,909

Table 9 - Steel Furnace Capacity at First of January, 1951

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
<u>1 9 5 1</u>					
January	201,131	19,062	299,410	10,243	309,653
February	193,228	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
Total - Nine months.	1,884,181	182,207	2,565,726	88,601	2,654,327
October	224,511	25,777	298,159	11,255	309,414
November	223,467	22,271	295,485	11,590	307,075
December	220,537	20,675	286,755	9,790	296,545
Total	2,552,696	250,930	3,446,125	121,236	3,567,361

Month	Pig iron	Ferro-alloys	S t e e l		
			Ingot	Castings	Total steel
(Net tons of 2,000 pounds)					

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 246,591 net tons in September, 1952 compared with 235,953 tons in September, 1951. The September shipments included 3,947 tons of semi-finished shapes, 13,639 tons of structurals, 18,504 tons of plates, 12,502 tons of rails, 8,530 tons of tie plates and track material, 49,681 tons of hot rolled bars, 24,223 tons of pipes and tubes, 25,021 tons of wire rods, 22,180 tons of black sheets, 8,481 tons of galvanized sheets, 9,750 tons of castings, and 43,077 tons of other rolled products. The amount of producers' interchange was 134,778 tons in September, 1952, as against, 138,221 tons in September, 1951.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, September, 1952

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	10,794	6,113	3,777
Other semi-finished shapes, not for re-rolling by makers	30,402	3,947	30,456
Structural shapes and piling	12,542	13,639	...
Plates	19,667	18,467	...
Rails	16,654	12,502	...
Tie plates and track material: Splice bars	1,026	838	...
Tie plates	6,279	6,480	...
Spikes	1,236	1,212	...
Concrete reinforcing bars	10,588	12,003	...
Hot rolled bars for cold finishing	1,471	...	1,160
Other hot rolled bars	53,931	39,836	9,504
Pipes and tubes	21,399	24,223	...
Wire rods	24,491	24,841	103
Hot rolled black sheets	65,806	9,292	52,364
Cold reduced black sheets	15,577	12,888	5,742
Galvanized sheets	8,990	8,481	...
Steel castings	8,137	7,920	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	62,123	29,819	31,546
Total - Carbon Steel	371,113	232,501	134,652

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, September, 1952
(Concluded)

	Production (Including producers' interchange)	Shipments For Producers' sale interchange	
	(Tons of 2,000 pounds)		
<u>Alloy Steel</u>			
Billets, etc., for forging	949	943	...
Other semi-finished shapes, not for re-rolling by makers	106	...	126
Structural shapes and piling .....	...	...	...
Plates	94	37	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	9,941	9,845	...
Pipes and tubes .....	...	...	...
Wire rods	315	180	...
Steel castings	1,757	1,830	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other) ...	1,190	1,255	...
Total - Alloy Steel	14,352	14,090	126

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Nine Months Ended September, 1952

	Production (Including producers' interchange)	Shipments For Producers' sale interchange	
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	90,500	56,759	32,650
Other semi-finished shapes, not for re-rolling by makers	378,004	15,402	365,626
Structural shapes and piling	131,570	139,683	...
Plates	175,930	175,014	19
Rails	188,159	186,179	...
Tie plates and track material: Splice bars	13,141	12,828	...
Tie plates	53,925	55,744	...
Spikes	12,272	12,303	...
Concrete reinforcing bars	110,202	105,304	...
Hot rolled bars for cold finishing	9,404	...	9,029
Other hot rolled bars	436,083	345,275	82,593
Pipes and tubes	218,739	218,111	4
Wire rods	255,971	255,058	865
Hot rolled black sheets	550,395	90,577	458,008
Cold reduced black sheets	166,680	120,449	48,023
Galvanized sheets	84,668	84,883	117
Steel castings	75,533	75,015	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	591,809	279,597	308,734
Total - Carbon Steel	3,542,985	2,228,181	1,305,668
<u>Alloy Steel</u>			
Billets, etc., for forging	10,357	10,014	...
Other semi-finished shapes, not for re-rolling by makers	2,434	...	2,429
Structural shapes and piling .....	...	...	...
Plates	786	947	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	75,788	74,247	20
Pipes and tubes .....	...	...	...
Wire rods	1,078	912	...
Steel castings	20,969	19,760	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other) ...	11,040	10,793	...
Total - Alloy Steel	122,452	116,673	2,449

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 13 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, September, 1952 and Year to Date

	S e p t e m b e r		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	12,472	8,666	85,913	57,661
Agricultural, including farm machinery .	11,760	342	106,332	2,668
Building construction	27,075	82	279,017	810
Containers industry	21,861	18	210,953	49
Machinery and tools	13,209	934	138,614	8,387
Merchant trade products	31,168	312	317,664	2,532
Mining, lumbering, etc.	15,007	977	140,940	11,601
National defence	4,603	328	51,891	4,044
Pressing, forming and stamping	10,726	87	95,499	733
Public works and utilities	1,664	41	14,385	493
Railway operating	26,360	197	316,143	1,869
Railway cars and locomotives	15,562	141	151,056	2,205
Shipbuilding	5,089	126	36,806	1,147
Miscellaneous and unclassified	906	104	9,657	1,566
Wholesalers and warehouses	28,553	171	232,797	1,550
Direct export (a) to British Empire	3,678	513	11,150	8,797
(b) to other countries ...	2,808	1,051	29,364	10,561
Total Shipped for Sale	232,501	14,090	2,228,181	116,673
Producers' interchange	134,652	126	1,305,668	2,449

Table 14 - Imports of Primary Forms of Iron and Steel, September, 1952 and Year to Date

Commodity	Country of origin	S e p t e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	121	...	...	1,595	...	...
Malleable	United States	...	...	...	86	...	...
Ingots	United States	6,670	...	...	62,963	...	...
Billets, blooms, slabs and sheet bars .	United States	...	35	...	4,737	582	...
	United Kingdom	...	...	...	...	12	...
Tube rounds and tube billets	United States	593	...	...	4,906	78	...
	Belgium	...	...	...	35	...	...
	United Kingdom	...	...	...	178	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	4,300	1,055	13.7	42,192	5,766	112.4
	United Kingdom	277	109	2.9	3,004	620	68.9
	Belgium	1,142	...	...	37,838	...	...
	France	...	...	...	11,709	...	...
	Japan	...	...	...	5,153	...	...
	Germany	...	...	...	711	...	...
	Sweden	1	...	...	16	...	...
Hot rolled -							
For agricultural implements	United States	5,045	...	...	17,892	126	...
	United Kingdom	...	...	...	233	...	...
	Belgium	...	...	...	254	...	...
	France	...	...	...	20	...	...
Rounds over 4 $\frac{1}{2}$ " , squares over 4" ..	United States	49	33	...	734	58	1.4
	United Kingdom	...	7	...	255	190	1.1
	Belgium	...	...	...	23	...	...
Angles, channels, etc.	United States	1,286	...	2.5	8,408	144	16.2
	Belgium	121	...	...	7,271	...	...
	United Kingdom	118	...	...	697	...	...
	France	...	...	...	1,826	...	...
	Germany	...	...	...	25	...	...
	Japan	...	...	...	114	...	...
Structurals (bar sizes) for agri- cultural implements	United States	773	...	...	6,973	...	...
	United Kingdom	...	...	...	22	...	...
Sash or casement sections	United States	152	...	...	1,490	...	...
	Belgium	...	...	...	80	...	...
	Germany	...	...	...	45	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, September, 1952 and Year to Date (Continued)

Commodity	Country of origin	S e p t e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Bars and sections - (concluded)							
Cold rolled, n.o.p.	United States	494	6	1.9	4,650	67	21.5
	United Kingdom	203	5	...	1,409	42	3.2
	Belgium	17	...	...	757	...	...
	Sweden	6	...	...	142	...	...
	Germany	...	...	...	550	...	...
France	1	...	...	2,589	...	...
Cold rolled, for agricultural implements	United States	235	...	...	2,788	12	...
	United Kingdom	...	...	...	20	...	...
	Belgium	...	...	...	83	...	...
Tool steel	United States	60	74	...	410	964	...
	United Kingdom	9	76	...	236	996	...
	Belgium	...	...	...	127	...	...
	Austria	...	1	...	...	1	...
Structurals	United States	12,752	...	...	114,847	7	1.3
	United Kingdom	1,521	...	...	14,230	...	...
	Belgium	6,768	...	...	51,313	...	...
	France	...	...	...	8,925	...	...
	Germany	...	...	...	867	...	...
	Japan	...	...	...	420	...	...
Plates -							
78" and under in width	United States	8,159	9	73.7	81,362	157	694.6
	United Kingdom	1,593	...	...	15,762	48	8.6
	France	...	...	...	4,622	...	...
	Germany	57	...	...	4,632	...	...
	Japan	1,125	...	...	15,955	...	...
	Belgium	...	...	...	6,298	...	...
	Austria	...	...	...	498	...	...
	Italy	...	...	...	29	...	...
	Sweden	...	...	...	...	...	.8
	Over 78" and under 100" in width	United States	4,368	31,831	51	59.7
United Kingdom		2,768	...	...	16,561	...	4.6
Belgium		...	...	...	340	...	...
France		...	...	...	525	...	...
Japan		...	...	...	1,350	...	...
Austria		...	...	...	168	...	...
Germany		...	...	...	176	...	...
100" in width and over	United States	500	...	...	4,780	44	...
	United Kingdom	86	...	...	1,001	...	...
	Belgium	...	...	...	5	...	...
	Japan	...	...	...	8	...	...
Flanged, dished or curved	United States	127	...	.1	1,710	...	24.5
	United Kingdom	...	...	...	36	...	...
Boiler, pulp-mill digesters	United States	433	...	...	2,812	...	...
	United Kingdom	...	...	...	943	...	...
	Belgium	...	...	...	30	...	...
	Japan	...	...	...	81	...	...
Chequered or surface pattern	United States	673	...	...	5,973	...	...
	United Kingdom	...	...	...	462	...	...
	Belgium	...	...	...	20	...	...
	Japan	16	...	...	16	...	...
Sheets -							
Silicon .075 or more	United States	...	1,825	...	...	14,568	...
	United Kingdom	...	37	...	...	476	...
Galvanized	United States	752	...	...	8,467	...	...
	United Kingdom	157	...	...	3,115	...	...
Hot rolled -							
18 gauge and heavier	United States	6,080	63	200.2	57,462	384	688.6
	Germany	22	...	...	985	...	...
	Belgium	...	...	...	1,745	...	...
	United Kingdom	360	...	35.6	3,484	...	207.2

Table 14 - Imports of Primary Forms of Iron and Steel, September, 1952 and Year to Date (Continued)

Commodity	Country of origin	S e p t e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Hot rolled - (concluded)							
18 gauge and heavier (concluded) ..	France	...	...	...	231	...	...
	Sweden	1	...	...	47	2	...
	Japan	...	...	...	1,899	...	...
Lighter than 18 gauge	United States	345	...	55.9	2,830	72	210.1
	United Kingdom	...	...	...	341	...	24.9
For cold rolling	United States	...	...	...	43	...	...
For hollow ware (vitreous enamel) .	United States	492	...	...	2,022	...	...
	United Kingdom	...	...	...	53	...	...
Corrugated	United States	503	...	...	3,980	...	...
	United Kingdom	25	...	...	140	...	...
Coated with paint, tar, asphaltum, etc.	United States	...	...	...	312	...	...
For saws	United States	...	48	...	117	389	...
	United Kingdom	...	...	...	4	18	...
	Sweden	...	...	...	...	1	...
For tubes	United States	...	...	...	495	...	...
For motor vehicles	United States	793	...	...	793	...	...
Cold rolled -							
18 gauge and heavier	United States	1,799	29	91.0	18,501	84	677.2
	United Kingdom	...	...	6.9	340	...	22.4
Lighter than 18 gauge	United States	2,697	...	105.5	21,410	86	763.9
	United Kingdom	30	...	8.8	1,411	...	35.4
	Belgium	...	...	...	25	...	...
For hollow ware (vitreous enamel) .	United States	192	...	...	2,360	...	...
	United Kingdom	358	...	...	475	...	...
	United States	...	...	...	165	...	...
Black plate - Tin mill	United States	125	...	...	365	...	...
Coated with paint, tar, asphaltum, etc.	United States	21	...	...	247	1	...
For heating apparatus	United States	...	...	...	7	3	...
For saws	United States	...	...	...	4	2	...
	Sweden	...	...	...	...	...	...
For tubes	United States	723	...	...	3,479	16	...
For motor vehicles	United States	38	...	...	38	...	...
Tin plate - Primes	United Kingdom	2	...	...	387	...	...
	United States	...	...	...	28	...	...
Electrolytic 25#	United States	191	...	...	370	...	...
	United Kingdom	...	...	...	3	...	...
Terne plate - Long	United States	411	...	...	3,943	...	...
	United Kingdom	...	...	...	28	...	...
Short	United States	225	...	...	1,189	...	...
	United Kingdom	...	...	...	14	...	...

Strip -

Hot rolled -

18 gauge and heavier	United States	2,875	40	.7	19,819	75	14.0
	United Kingdom	3	...	...	225	...	...
	Belgium	31	...	...	331	...	...
	France	...	...	...	11	...	...
Lighter than 18 gauge	United States	66	...	...	902	109	106.7
	United Kingdom	7	...	...	11	1	...
	Belgium	...	...	...	6	...	...
For cold rolling	United States	178	...	...	1,323	...	...
	United Kingdom	...	...	...	20	...	...
Painted	United States	...	...	...	17	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...	115	...	...
	United Kingdom	...	...	...	27	...	...
For saws	United States	...	2	...	226	61	...
	United Kingdom	...	3	...	2	4	...
	Sweden	...	...	...	1	14	...
For motor vehicles	United States	1,718	...	...	9,634	...	...
For hoops	United States	117	...	...	772	...	...
	United Kingdom	28	...	...	119	...	...
	Belgium	...	...	...	54	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, September, 1952 and Year to Date (Continued)

Commodity	Country of origin	S e p t e m b e r			Year to Date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip - (concluded)							
Hot rolled - (concluded)							
For tubes	United States	716	...	...	1,825	...	...
	United Kingdom	...	...	...	...	14	...
For tubular products	United States	...	...	...	99	...	...
Silicon .075 or more	United States	...	348	...	...	348	...
Cold rolled -							
18 gauge and heavier	United States	604	19	21.9	3,963	65	334.1
	United Kingdom	...	...	...	116	...	...
	Sweden	...	...	...	29	...	...
	Germany	...	...	...	13	...	...
Lighter than 18 gauge	United States	400	1	80.2	4,432	478	480.9
	Sweden	20	...	...	489	1	1.9
	United Kingdom	...	...	...	147	...	1.2
	Germany	...	...	...	4	18	...
Painted	United States	474	...	...	5,016	...	...
	Germany	6	...	...	23	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...	80	...	...
	United Kingdom	...	...	...	81	...	...
For saws	United States	20	4	...	67	163	...
	Sweden	...	6	...	28	55	...
For tubes	United States	418	...	...	3,176	38	...
For tubular products	United States	66	...	...	1,668	...	...
For butt hinges	United States	250	...	...	2,295	...	...
	United Kingdom	...	...	...	28	...	...
	Sweden	...	...	...	8	...	...
For hoops	United States	...	...	...	68	...	...
	United Kingdom	...	...	...	27	...	...
Galvanized strip	United States	271	...	...	3,601	...	...
	United Kingdom	10	...	...	326	...	...
	Germany	...	...	...	35	...	...
	Belgium	...	...	...	14	...	...
Skelp -							
15 ³ / ₈ " in width	United States	8,650	...	...	62,547	...	...
	France	...	...	...	1,012	...	...
	Belgium	1,102	...	...	12,692	...	...
	United Kingdom	...	...	...	2,942	...	...
	Germany	...	...	...	325	...	...
Over 15 ³ / ₈ " in width	United States	...	...	...	2,469	...	...
Plate	United States	185	...	...	23,547	...	...
Pipes and tubes -							
Cast	United States	139	...	...	345	...	...
	United Kingdom	2,671	...	...	10,272	...	...
	Germany	26	...	...	46	...	...
Bedstead	United States	...	...	...	111	...	...
	United Kingdom	...	...	...	8	...	...
	Holland	1	...	...	1	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	439	...	9.5	5,209	56	33.8
	United Kingdom	44	...	...	2,394	...	21.5
	Sweden	...	...	...	23	...	...
	France	...	...	...	38	...	...
Cold drawn	United States	325	5	...	1,503	20	16.0
	United Kingdom	...	...	...	973	6	1.4
	Sweden	...	...	...	4	...	...
Welded	United States	183	...	...	1,624	...	.8
	United Kingdom	...	...	...	563	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	281	279	32.7	4,016	871	257.8
	United Kingdom	181	9	22.7	1,731	22	168.4
	Sweden	1	67	...	108	107	.1
	Germany	...	...	...	119	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, September, 1952 and Year to Date (Continued)

Commodity	Country of origin	S e p t e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes - (concluded)							
Seamless, 12" and under in diameter -							
Cold drawn (concluded)	Belgium	...	...	...	2	...	...
	Japan	...	...	...	3	...	...
Hot finished	United States	913	26	8.6	8,962	934	62.6
	United Kingdom	314	...	...	12,477	5	5.5
	Germany	...	...	...	57	...	...
	Sweden	...	...	...	12	67	...
	Japan	...	...	...	55	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	206	...	...	2,347	35	1.5
	United Kingdom	145	...	...	11,120	...	...
Welded, 4" and under in diameter ..	United States	904	...	15.6	3,311	26	115.4
	United Kingdom	944	...	...	6,109	...	8.6
	Germany	...	...	...	96	...	...
	Belgium	29	...	...	29	...	...
Welded, over 4" in diameter	United States	19,523	...	...	61,099	...	7.1
	United Kingdom	519	...	...	2,290	...	...
	Germany	...	...	...	78	...	...
	Belgium	...	...	...	13	...	...
Tubing -							
Not over ½" diameter, welded and							
coated	United States	60	...	...	433	...	...
Spiral welded	United States	391	...	...	2,002	...	...
Casings	United States	6,287	...	...	31,936	...	...
	United Kingdom	872	...	...	11,039	...	...
	Germany	693	...	...	1,360	...	...
	France	76	...	...	1,233	...	...
	Japan	...	...	...	482	...	...
Fittings and couplings	United States	702	3	16.5	4,484	13	69.1
	United Kingdom	73	...	...	572	...	...
	Germany	...	...	...	31	...	...
	Sweden	...	...	...	1	...	...
	Switzerland	...	...	...	2	...	...
Wire rope							
	United States	36	...	...	757	...	9.4
	United Kingdom	82	...	...	652	...	...
	Belgium	7	...	...	17	...	...
	Germany	86	...	...	183	...	...
	Holland	24	...	...	54	...	...
Wire for rope	United States	1,288	...	...	17,127	...	.8
	United Kingdom	674	...	2.3	5,436	...	5.3
	Belgium	...	...	...	9	...	...
	West Germany	...	...	...	132	...	...
Wire - For corset laces, steels, etc. .	United States	3	...	...	221	...	...
	United Kingdom	...	...	...	1	...	...
For spring mattresses, etc.	United States	394	...	...	1,604	...	...
	United Kingdom	...	...	...	12	...	...
Wire cloth and netting	United States	43	...	...	744	...	3.1
	United Kingdom	...	...	...	64	...	...
	Belgium	65	...	...	127	...	...
Wire, coated	United States	83	...	...	1,300	...	...
	United Kingdom	...	...	...	107	...	...
	Germany	...	...	...	8	...	...
	Belgium	...	...	...	38	...	...
Wire, all other	United States	513	13	.9	5,605	24	11.9
	United Kingdom	1	...	...	87	...	1.2
	Germany	10	...	...	68	...	.4
	Italy	...	...	...	19	...	...
	Sweden	1	...	...	27	...	...
	Belgium	159	...	...	388	...	...
	France	...	...	...	61	...	...
Wire rods, not over ¾" in diameter	United States	172	...	...	1,713	1	...
	Belgium	101	...	...	1,766	...	...
	Germany	...	...	...	696	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, September, 1952 and Year to Date (Concluded)

Commodity	Country of origin	S e p t e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Welding wire and welding rods	United States	407	41	6.7	1,865	276	52.3
	Belgium	...	...	...	157	...	...
	Japan	...	...	...	88	...	...
	United Kingdom	...	...	...	1	1	...
Castings -							
For agricultural implements	United States	46	...	...	1,965	38	...
For ingot moulds	United States	3,332	...	...	18,225	...	...
	United Kingdom	23	...	...	978	...	...
Malleable	United States	90	...	...	1,065	...	...
	United Kingdom	...	...	...	1	...	...
Non-malleable	United States	27	...	...	344	...	...
Steel	United States	41	13	...	360	127	.9
	Germany	...	...	...	1	...	...
	United Kingdom	...	...	...	61	...	...
	France	...	...	...	265	...	...
	Norway	47	...	...	142	...	...
	Belgium	62	...	...	122	...	...
For railway vehicles	United States	5	...	...	188	...	...
	United Kingdom	...	...	...	37	...	...
Rolls	United States	233	217	...	2,561	902	...
	United Kingdom	1	22	...	66	131	...
	Germany	...	...	...	1	...	...
	France	...	...	...	86	...	...
Piston rings (rough)	United States	7	...	...	154	...	...
	France	43	...	...	43	...	...
Forgings	United States	23	...	.2	1,197	293	1.5
	United Kingdom	183	...	...	1,561	16	...
	France	...	...	...	5	...	...
Wheels - For railway rolling stock	United States	...	...	...	111	...	...
	United Kingdom	996	...	...	7,644	...	...
Tires - For railway rolling stock	United States	13	...	...	121	...	...
	United Kingdom	588	...	...	3,449	...	...
Axles - For railway vehicles	United States	...	...	...	63	...	...
	United Kingdom	7	...	...	486	...	...
Rails -							
60 lb. and under	United States	138	...	...	1,843	...	...
	Belgium	...	...	...	379	...	...
	France	...	...	...	214	...	...
	Germany	...	...	...	33	...	...
Over 60 lb. and including 100 lb. ...	United States	...	...	...	2,086	...	...
Over 100 lb.	United States	44	...	...	1,956	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	177	...	...	2,468	...	...
	Belgium	...	...	...	140	...	...
	United Kingdom	...	...	...	878	...	...
	Germany	...	...	...	1	...	...
	France	...	...	...	61	...	...
Intersections, switches, frogs	United States	115	...	...	1,270	...	...
	France	...	...	...	4	...	...
	Belgium	...	...	...	3	...	...
Total Imports	United States	116,768	4,188	737.9	873,718	28,615	4,851.1
	All other	27,750	342	79.2	344,772	2,870	592.6
TOTAL		144,518	4,530	817.1	1,218,490	31,485	5,443.7

Table 15 - Exports of Primary Iron and Steel, September, 1952 and Year to Date

	September	Year to date
	(Tons of 2,000 pounds)	
Pig iron	32,741	268,945
Ingots, blooms and billets	3,730	31,906
Bars	3,030	23,598
Rods	45	160
Plates, sheets and strips	1,736	19,279
Rails	1,184	1,693
Structural shapes	203	4,122
Pipe and tubing - Wrought iron ...	...	1,015
Cast iron	131	1,015
Galvanized	11	981
Other	234	2,078
Castings, iron and steel	409	11,482
Forgings	474	4,526
Total	43,928	370,800

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PRIMARY IRON AND STEELOCTOBER - 1952

Pig Iron - Production of pig iron in Canada amounted to 220,464 tons in October compared with 224,511 tons in the corresponding month of last year. The total for the current month included 171,157 tons of basic iron, 18,972 tons of foundry iron and 30,335 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in October amounted to 19,152 tons, compared with 17,641 tons in the previous month and with 25,777 tons in October of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during October totalled 307,897 tons, compared with 309,414 tons in October of last year. Output in the month under review included 298,886 tons of ingots and 9,011 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During October, 1951 and 1952.

	October - 1951		October - 1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	180,145	26,308	171,157	22,491
Foundry	26,309	23,632	18,972	12,882
Malleable	18,057	22,301	30,335	33,959
Total Pig Iron	224,511	72,241	220,464	69,332
<u>Ferro-alloys</u>	25,777	Not available	19,152	6,986

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Ten Months Ended October, 1951 and 1952

	1951		1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	1,645,613	136,183	1,725,863	150,673
Foundry	252,472	247,165	177,340	166,828
Malleable	210,607	215,083	320,640	307,877
Total Pig Iron	2,108,692	598,431	2,223,843	625,378
<u>Ferro-alloys</u>	207,984	Not available	194,169	139,366

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During October and Ten Months Ended October, 1951 and 1952

	October 1951	October 1952	Ten months ended October	
			1951	1952
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	88,941	77,489	1,074,037	1,185,633
Imported	307,111	304,132	2,571,508	2,810,047
Mill cinder, scale, sinter, etc.	44,048	49,323	433,999	333,015
Limestone	86,046	74,508	781,461	820,100
Dolomite	17,653	18,914	138,086	170,908
Coke	212,061	199,083	1,954,944	2,066,608
Scrap iron and steel	6,097	12,987	62,033	90,889

Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd.	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	3	595,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
	Total	14	2,890,000

Table 5 - Description of Iron Blast Furnaces at End of October, 1952

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	13	2,755,000	95.3
Banked .....	...	...	...
Blown out	1	135,000	4.7
Total	14	2,890,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During October, 1951 and 1952

Table 6 - Production and Sales During October, 1951 and 1952				
	October, 1951		October, 1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel Ingots</u>				
Open hearth - basic	252,221	10,090	247,595	1,776
Electric	45,938	4,994	51,291	6,097
Total Steel Ingots	298,159	15,084	298,886	7,873
Alloy steel ingots included in above	17,074	14	20,842	30
<u>Steel Castings</u>				
Open hearth - basic	2,950	2,566	2,563	2,195
Converter	58	32	16	23
Electric	8,247	6,405	6,432	5,271
Total Steel Castings	11,255	9,003	9,011	7,489
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	145	118	130	74
(b) High alloy, manganese and abrasion resistant	1,313	1,187	1,406	1,349
(c) All other alloys	787	245	729	266

(x) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Ten Months Ended October, 1951 and 1952

	1951		1952	
	Tonnage made (x)	Tonnage shipped	Tonnage made (x)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel Ingots</u>				
Open hearth - basic	2,423,298	110,211	2,511,801	115,770
Electric	440,587	48,017	485,479	70,220
Total Steel Ingots	2,863,885	158,228	2,997,280	185,990
Alloy steel ingots included in above	178,367	5,378	178,100	446

Primary Iron and Steel

- 3 -

Table 7 - Cumulative Production and Sales for the Ten Months Ended October, 1951 and 1952 (Concluded)

	1 9 5 1		1 9 5 2	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Castings</u>				
Open hearth - basic	25,122	22,453	29,496	26,629
Converter	210	130	314	306
Electric	74,524	57,777	76,061	58,452
Total Steel Castings	99,856	80,360	105,871	85,387
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant			1,097	881
(b) High alloy, manganese and abrasion resistant	20,027	11,813	16,569(+)	15,044
(c) All other alloys			8,523(+)	3,365

(★) Includes amounts for sale and for own use. (+) Revised.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During October 1951 and 1952 and Ten Months Ended October, 1952

	October 1951	October 1952	Ten months ended October, 1952
	(Net tons of 2,000 pounds)		
Pig iron	157,500	154,336	1,639,719
Scrap - Own make	85,156	90,959	865,830
Purchased	91,610	88,385	876,294

Table 9 - Steel Furnace Capacity at First of January, 1951

	Annual capacity
	(Net tons of 2,000 pounds)
Ingot - Basic open hearth	2,948,900
Electric	682,000
Total ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings ...	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
			(Net tons of 2,000 pounds)		
<u>1 9 5 1</u>					
January	201,131	19,062	299,410	10,243	309,653
February	193,228	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
October	224,511	25,777	298,159	11,255	309,414
Total - Ten months ..	2,108,692	207,984	2,863,885	99,856	2,963,741
November	223,467	22,271	295,485	11,590	307,075
December	220,537	20,675	286,755	9,790	296,545
Total	2,552,696	250,930	3,446,125	121,236	3,567,361

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952 (Concluded)

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
			(Net tons of 2,000 pounds)		
1 9 5 2					
January	209,153	21,458	305,721	11,313	317,034
February	199,162	22,171	294,346	11,519	305,865
March	240,755	23,097	327,885	11,511	339,396
April	214,330	19,856	304,956	11,685	316,641
May	237,079	21,112	318,890	11,634	330,524
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	285,332	8,076	293,408
August	221,387	16,583	289,574	9,339	298,913
September	222,686	17,641	277,684	10,334	288,018
October	220,464	19,152	298,886	9,011	307,897
Total - Ten months	2,223,843	194,169	2,997,280	105,871	3,103,151

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 285,471 net tons in October, 1952 compared with 269,539 tons in October, 1951. The October shipments included 14,707 tons of semi-finished shapes, 19,603 tons of structurals, 22,382 tons of plates, 25,133 tons of rails, 11,443 tons of tie plates and track material, 45,583 tons of hot rolled bars, 21,650 tons of pipes and tubes, 26,205 tons of wire rods, 26,809 tons of black sheets, 10,190 tons of galvanized sheets, 9,344 tons of castings, and 52,422 tons of other rolled products. The amount of producers' interchange was 131,551 tons in October, 1952, as against, 136,233 tons in October, 1951.

Of the amounts shipped for sale during October, 57,308 tons went direct to railways and railway car shops; 12,814 tons went to pressing, forming and stamping plants; 32,775 tons to merchant trade products; 33,816 tons to building construction; 27,218 tons to the containers industry; 12,290 tons to agricultural equipment; 21,023 tons to the automotive industry; 15,909 tons to machinery plants; 5,938 tons to shipbuilding; 13,653 tons to mining, lumbering, etc., and 8,943 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 35,296 tons, and exports for 8,488 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 131,551 tons in October, 1952.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, October, 1952

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	13,610	11,891	2,650
Other semi-finished shapes, not for re-rolling by makers	23,329	1,425	20,809
Structural shapes and piling	19,284	19,603	...
Plates	20,530	22,279	...
Rails	22,450	25,133	...
Tie plates and track material: Splice bars	1,188	1,196	...
Tie plates	8,291	8,582	...
Spikes	1,709	1,665	...
Concrete reinforcing bars	15,223	15,051	...
Hot rolled bars for cold finishing	461	...	833
Other hot rolled bars	45,718	38,770	10,494
Pipes and tubes	23,213	21,650	...
Wire rods	23,647	25,949	40
Hot rolled black sheets	69,001	12,740	57,130
Cold reduced black sheets	20,835	14,069	4,750
Galvanized sheets	9,315	10,190	...
Steel castings	6,729	6,812	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	72,336	35,716	34,416
Total - Carbon Steel	396,869	272,721	131,122

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, October, 1952(Concluded)

	P r o d u c t i o n		S h i p m e n t s	
	(Including producers' interchange)		For sale	Producers' interchange
(Tons of 2,000 pounds)				
<u>Alloy Steel</u>				
Billets, etc., for forging	1,188	1,391	...	
Other semi-finished shapes, not for re-rolling by makers ..	429	...	...	429
Structural shapes and piling .....	...	...	...	...
Plates	116	103	...	...
Hot rolled bars for cold finishing .....	...	...	...	...
Other hot rolled bars	7,319	6,813	...	...
Pipes and tubes .....	...	...	...	...
Wire rods	106	256	...	...
Steel castings	2,701	2,532	...	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	1,677	1,655	...	...
Total - Alloy Steel	13,536	12,750	429	

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Nine Months Ended October, 1952

	P r o d u c t i o n		S h i p m e n t s	
	(Including producers' interchange)		For sale	Producers' interchange
(Tons of 2,000 pounds)				
<u>Carbon Steel</u>				
Billets, etc., for forging	104,110	68,650	35,300	
Other semi-finished shapes, not for re-rolling by makers..	401,333	16,827	386,435	
Structural shapes and piling	150,854	159,286	...	
Plates	196,460	197,293	19	
Rails	210,609	211,312	...	
Tie plates and track material: Splice bars	14,329	14,024	...	
Tie plates	62,216	64,326	...	
Spikes	13,981	13,968	...	
Concrete reinforcing bars	125,425	120,355	...	
Hot rolled bars for cold finishing	9,865	...	9,862	
Other hot rolled bars	481,801	384,045	93,087	
Pipes and tubes	241,952	239,761	4	
Wire rods	279,618	281,007	905	
Hot rolled black sheets	619,396	103,317	515,138	
Cold reduced black sheets	187,515	134,518	52,773	
Galvanized sheets	93,983	95,073	117	
Steel castings	82,262	81,827	...	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, and axles and all other)	664,145	315,313	343,150	
Total - Carbon Steel	3,939,854	2,500,902	1,436,790	
<u>Alloy Steel</u>				
Billets, etc., for forging	11,545	11,405	...	
Other semi-finished shapes, not for re-rolling by makers..	2,863	...	2,858	
Structural shapes and piling .....	...	...	...
Plates	902	1,050	...	
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	83,107	81,060	20	
Pipes and tubes .....	...	...	...
Wire rods	1,184	1,168	...	
Steel castings	23,670	22,292	...	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	12,717	12,448	...	
Total - Alloy Steel	135,988	129,423	2,878	

Alloy Steel

Billets, etc., for forging	11,545	11,405	...
Other semi-finished shapes, not for re-rolling by makers..	2,863	...	2,858
Structural shapes and piling .....	...	...	...
Plates	902	1,050	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	83,107	81,060	20
Pipes and tubes .....	...	...	...
Wire rods	1,184	1,168	...
Steel castings	23,670	22,292	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	12,717	12,448	...
Total - Alloy Steel	135,988	129,423	2,878

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 13 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, October, 1952 and Year to Date

	O c t o b e r		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	15,119	5,904	101,032	63,565
Agricultural, including farm machinery ...	11,796	494	118,128	3,162
Building construction	33,629	187	312,646	997
Containers industry	27,191	27	238,144	76
Machinery and tools	14,855	1,054	153,469	9,441
Merchant trade products	32,173	602	349,837	3,134
Mining, lumbering, etc.	12,361	1,292	153,301	12,893
National defence	5,449	207	57,340	4,251
Pressing, forming and stamping	12,696	118	108,195	851
Public works and utilities	1,872	60	16,257	553
Railway operating	41,340	243	357,483	2,112
Railway cars and locomotives	15,478	247	166,534	2,452
Shipbuilding	5,851	87	42,657	1,234
Miscellaneous and unclassified	1,028	327	10,685	1,893
Wholesalers and warehouses	34,970	326	267,767	1,876
Direct export (a) to British Empire	1,483	501	12,633	9,298
(b) to other countries	5,430	1,074	34,794	11,635
Total Shipped for Sale	272,721	12,750	2,500,902	129,423
Producers' interchange	131,122	429	1,436,790	2,878

Table 14 - Imports of Primary Forms of Iron and Steel, October, 1952 and Year to Date

Commodity	Country of origin	O c t o b e r			Year to date			
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less	
		(Tons of 2,000 pounds)						
Pig iron -								
Basic	United States	50	...	...	1,645	...	...
Malleable	United States	...	...	...	86	...	...
Ingots	United States	12,773	...	...	75,736	...	...
Billets, blooms, slabs and sheet bars .	United States	159	2	...	4,896	584	...	
	United Kingdom	...	1	...	...	13	...
Tube rounds and tube billets	United States	540	...	...	5,446	78	...
	Belgium	...	...	...	35	...	...
	United Kingdom	...	...	...	178	...	...
Bars and sections -								
Hot rolled, n.o.p.	United States	4,744	1,493	8.5	46,936	7,259	120.9	
	United Kingdom	454	87	1.5	3,458	707	70.4	
	Belgium	802	...	...	38,640	...	...
	France	193	...	...	11,902	...	...
	Japan	...	...	...	5,153	...	...
	Germany	...	...	...	711	...	...
	Sweden	...	...	...	16	...	...
Hot rolled -								
	For agricultural implements	United States	3,156	21,048	126	...
		United Kingdom	233
		Belgium	254
France		...	...	...	20	...	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4" ..	United States	10	2	...	744	60	1.4	
	United Kingdom	...	...	...	255	190	1.1
	Belgium	3	...	...	26	...	...
Angles, channels, etc.	United States	1,811	...	7.0	10,219	144	23.2	
	Belgium	932	...	...	8,203	...	...
	United Kingdom	162	859	
	France	53	1,879	
	Germany	25	
	Japan	114	

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, October, 1952 and Year to Date (Continued)

Commodity	Country of origin	O c t o b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Bars and sections - (Concluded)							
Hot rolled - (Concluded)							
Structurals (bar sizes) for agricultural implements	United States	1,257	...	...	8,230	...	...
	United Kingdom	...	...	...	22	...	...
Sash or casement sections	United States	156	...	...	1,646	...	...
	Belgium	...	...	...	80	...	...
	Germany	...	...	...	45	...	...
Cold rolled, n.o.p.	United States	461	12	2.4	5,111	79	23.9
	United Kingdom	218	...	...	1,627	42	3.2
	Belgium	...	...	...	757	...	...
	Sweden	3	...	...	145	...	...
	Germany	...	...	...	550	...	...
	France	...	...	...	2,589	...	...
Cold rolled, for agricultural implements	United States	527	...	...	3,315	12	...
	United Kingdom	...	...	...	20	...	...
	Belgium	...	...	...	83	...	...
Tool steel	United States	5	79	...	415	1,043	...
	United Kingdom	22	55	...	258	1,051	...
	Belgium	...	...	...	127	...	...
	Austria	...	...	...	...	1	...
Structurals	United States	15,762	...	.8	130,609	7	2.1
	United Kingdom	643	...	...	14,873	...	...
	Belgium	5,794	...	...	57,107	...	...
	France	251	...	...	9,176	...	...
	Germany	...	...	...	867	...	...
	Japan	...	...	...	420	...	...
Plates -							
78" and under in width	United States	6,033	47	97.7	87,395	204	792.3
	United Kingdom	1,821	...	5.6	17,583	48	14.2
	France	...	...	...	4,622	...	...
	Germany	...	...	...	4,632	...	...
	Japan	980	...	...	16,935	...	...
	Belgium	...	...	...	6,298	...	...
	Austria	...	...	...	498	...	...
	Italy	...	...	...	29	...	...
	Sweden	...	...	...	...	...	.8
Over 78" and under 100" in width	United States	2,734	2	6.8	34,565	53	66.5
	United Kingdom	2,626	...	...	19,187	...	4.6
	Belgium	...	...	...	340	...	...
	France	...	...	...	525	...	...
	Japan	...	...	...	1,350	...	...
	Austria	...	...	...	163	...	...
	Germany	...	...	...	176	...	...
100" in width and over	United States	586	...	3.8	5,366	44	3.8
	United Kingdom	665	...	...	1,666	...	...
	Belgium	...	...	...	5	...	...
	Japan	...	...	...	8	...	...
Flanged, dished or curved	United States	126	...	11.9	1,836	...	36.4
	United Kingdom	...	...	...	36	...	...
Boiler, pulp-mill digesters	United States	47	...	...	2,859	...	...
	United Kingdom	160	...	...	1,103	...	...
	Belgium	...	...	...	30	...	...
	Japan	23	...	...	104	...	...
Chequered or surface pattern	United States	1,067	...	...	7,040	...	...
	United Kingdom	50	...	...	512	...	...
	Belgium	...	...	...	20	...	...
	Japan	...	...	...	16	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, October, 1952 and Year to Date (Continued)

		O c t o b e r			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets -							
Silicon .075 or more	United States	...	1,583	...	...	16,151	...
	United Kingdom	...	...	...	...	476	...
Galvanized	United States	1,100	...	...	9,567	...	...
	United Kingdom	1,003	...	...	4,118	...	...
Hot rolled -							
18 gauge and heavier	United States	7,314	58	31.9	64,776	442	720.5
	Germany	...	...	...	985	...	...
	Belgium	...	...	...	1,745	...	...
	United Kingdom	1,441	...	21.9	4,925	...	229.1
	France	...	...	...	231	...	...
	Sweden	6	...	...	53	2	...
	Japan	...	...	...	1,899	...	...
Lighter than 18 gauge	United States	21	...	8.4	2,851	72	218.5
	United Kingdom	62	...	1.5	403	...	26.4
For cold rolling	United States	...	...	...	43	...	...
For hollow ware (vitreous enamel) ...	United States	531	...	...	2,553	...	...
	United Kingdom	...	...	...	53	...	...
Corrugated	United States	582	...	...	4,562	...	...
	United Kingdom	...	...	...	140	...	...
Coated with paint, tar, asphaltum, etc.	United States	18	...	...	330	...	...
For saws	United States	23	26	...	140	415	...
	United Kingdom	...	1	...	4	19	...
	Sweden	...	...	...	...	1	...
For tubes	United States	72	...	...	567	...	...
For motor vehicles	United States	521	...	...	1,314	...	...
Cold rolled -							
18 gauge and heavier	United States	1,980	...	112.9	20,431	84	790.1
	United Kingdom	312	...	...	652	...	22.4
Lighter than 18 gauge	United States	2,090	...	110.9	23,500	86	874.8
	United Kingdom	135	...	...	1,546	...	35.4
	Belgium	...	...	...	25	...	...
For hollow ware (vitreous enamel) ...	United States	298	...	...	2,658	...	...
	United Kingdom	278	...	...	753	...	...
Black plate - Tin mill	United States	1	...	...	166	...	...
Coated with paint, tar, asphaltum, etc.	United States	128	...	...	493	...	...
For heating apparatus	United States	...	...	...	247	1	...
For saws	United States	...	...	...	7	3	...
	Sweden	...	1	...	4	3	...
For tubes	United States	510	...	...	3,989	16	...
For motor vehicles	United States	14	...	...	52	...	...
Tin plate - Primes	United States	...	...	...	28	...	...
	United Kingdom	56	...	...	443	...	...
Electrolytic 25#	United States	110	...	...	480	...	...
	United Kingdom	...	...	...	3	...	...
Terne plate - Long	United States	627	...	...	4,570	...	...
	United Kingdom	...	...	...	28	...	...
Short	United States	196	...	...	1,385	...	...
	United Kingdom	...	...	...	14	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, October, 1952 and Year to Date (Continued)

Commodity	Country of origin	O c t o b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip -							
Hot rolled -							
18 gauge and heavier	United States	2,038	45	15.2	21,854	120	29.2
	United Kingdom	117	...	...	342	...	...
	Belgium	142	...	...	473	...	...
	France	...	...	...	11	...	...
Lighter than 18 gauge	United States	33	1	...	935	110	106.7
	United Kingdom	...	...	...	11	1	...
	Belgium	...	...	...	6	...	...
For cold rolling	United States	120	...	...	1,443	...	...
	United Kingdom	...	...	...	20	...	...
Painted	United States	...	...	...	17	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...	115	...	...
	United Kingdom	...	...	...	27	...	...
For saws	United States	31	3	...	257	64	...
	United Kingdom	...	1	...	2	5	...
	Sweden	...	...	...	1	14	...
For motor vehicles	United States	1,851	...	...	11,485	...	...
For hoops	United States	70	...	...	842	...	...
	United Kingdom	...	...	...	119	...	...
	Belgium	...	...	...	54	...	...
For tubes	United States	333	...	...	2,158	3	...
	United Kingdom	...	...	...	...	14	...
For tubular products	United States	...	...	...	99	...	...
Silicon .075 or more	United States	...	744	...	...	1,092	...
Cold rolled -							
18 gauge and heavier	United States	358	22	33.4	4,321	87	367.5
	United Kingdom	1	...	...	117	...	...
	Sweden	...	...	...	29	...	...
	Germany	...	...	...	13	...	...
Lighter than 18 gauge	United States	412	1	94.1	4,844	479	575.0
	Sweden	21	21	...	510	22	1.9
	United Kingdom	34	...	...	181	...	1.2
	Germany	...	...	...	4	18	...
Painted	United States	849	...	...	5,865	...	...
	Germany	...	...	...	23	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	13	...	...	93	...	...
	United Kingdom	...	...	...	81	...	...
For saws	United States	...	12	...	67	175	...
	Sweden	...	14	...	28	69	...
For tubes	United States	402	...	...	3,578	38	...
For tubular products	United States	166	...	...	1,834	...	...
For butt hinges	United States	194	...	...	2,489	...	...
	United Kingdom	34	...	...	62	...	...
	Sweden	...	...	...	8	...	...
For hoops	United States	...	...	...	68	...	...
	United Kingdom	...	...	...	27	...	...
Galvanized strip	United States	570	...	...	4,171	...	...
	United Kingdom	50	...	...	376	...	...
	Germany	...	...	...	35	...	...
	Belgium	...	...	...	14	...	...
Skelp -							
15 $\frac{3}{8}$ " in width	United States	10,153	...	...	72,700	...	...
	France	...	...	...	1,012	...	...
	Belgium	1,655	...	...	14,347	...	...
	United Kingdom	...	...	...	2,942	...	...
	Germany	...	...	...	325	...	...
Over 15 $\frac{3}{8}$ " in width	United States	...	...	...	2,469	...	...
Plate for pipe	United States	339	...	...	23,886	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, October, 1952 and Year to Date (Continued)

Commodity	Country of origin	O c t o b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes -							
Cast	United States	342	...	...	687	...	...
	United Kingdom	1,295	...	...	11,567	...	...
	Germany	...	...	...	46	...	...
	Sweden	12	...	...	12	...	...
	France	12	...	...	12	...	...
Bedstead	United States	...	...	...	111	...	...
	United Kingdom	...	...	...	8	...	...
	Holland	...	...	...	1	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	422	1	40.0	5,631	57	73.8
	United Kingdom	197	...	...	2,591	...	21.5
	Sweden	...	...	...	23	...	...
	France	...	...	...	38	...	...
Cold drawn	United States	141	9	...	1,644	29	16.0
	United Kingdom	431	...	...	1,404	6	1.4
	Sweden	...	...	...	4	...	...
Welded	United States	360	...	...	1,984	...	.8
	United Kingdom	85	...	...	648	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	338	177	41.2	4,354	1,048	299.0
	United Kingdom	213	4	38.7	1,944	26	207.1
	Sweden	2	15	...	110	122	.1
	Germany	...	...	...	119	...	...
	Belgium	...	...	...	2	...	...
	Japan	...	...	...	3	...	...
	Hot finished	United States	1,278	...	53.6	10,240	934	116.2
United Kingdom	593	...	8.3	13,070	5	13.8	
	Germany	...	...	...	57	...	...
	Sweden	...	...	...	12	67	...
	Japan	...	...	...	55	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	308	63	...	2,655	98	1.5
	United Kingdom	349	...	...	11,469	...	...
Welded, 4" and under in diameter ..	United States	351	...	4.2	3,662	26	119.6
	United Kingdom	1,178	...	...	7,287	...	8.6
	Germany	...	...	...	96	...	...
	Belgium	3	...	...	32	...	...
Welded, over 4" in diameter	United States	16,114	...	4.8	77,213	...	11.9
	United Kingdom	...	...	...	2,290	...	...
	Germany	...	...	...	78	...	...
	Belgium	...	...	...	13	...	...
Tubing -							
Not over $\frac{1}{8}$ " diameter, welded and coated	United States	72	...	...	505	...	...
	United Kingdom	1	...	...	1	...	...
Spiral welded	United States	229	...	...	2,231	...	...
	United States	10,048	...	...	41,984	...	...
Casings	United Kingdom	2,321	...	...	13,360	...	...
	Germany	110	...	...	1,470	...	...
	France	14	...	...	1,247	...	...
	Japan	647	...	...	1,129	...	...
	United States	744	...	15.9	5,228	13	85.0
Fittings and couplings	United Kingdom	38	610
	Germany	31
	Sweden	1
	Switzerland	2

Primary Iron and Steel

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Table 14 - Imports of Primary Forms of Iron and Steel, October, 1952 and Year to Date (Continued)

Commodity	Country of origin	O c t o b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire rope	United States	19	...	...	776	...	9.4
	United Kingdom	97	...	...	749	...	...
	Belgium	...	...	...	17	...	...
	Germany	2	...	...	185	...	...
	Holland	...	...	...	54	...	...
Wire for rope	United States	1,125	...	.2	18,252	...	1.0
	United Kingdom	634	...	...	6,070	...	5.3
	Belgium	...	...	...	9	...	...
	West Germany	...	...	...	132	...	...
Wire - For corset laces, steels, etc. ..	United States	15	...	...	236	...	...
	United Kingdom	...	...	...	1	...	...
For spring mattresses, etc.	United States	347	...	...	1,951	...	...
	United Kingdom	...	...	...	12	...	...
Wire cloth and netting	United States	2	...	.3	746	...	3.4
	United Kingdom	2	...	...	66	...	...
	Belgium	...	...	...	127	...	...
Wire, coated	United States	55	...	...	1,355	...	...
	United Kingdom	1	...	...	108	...	...
	Germany	...	...	...	8	...	...
	Belgium	...	...	...	38	...	...
Wire, all other	United States	438	1	1.5	6,043	25	13.4
	United Kingdom	1	...	...	88	...	1.2
	Germany	...	...	...	68	...	.4
	Italy	...	...	...	19	...	...
	Sweden	...	4	...	27	4	...
	Belgium	44	...	...	432	...	...
	France	...	...	...	61	...	...
Wire rods, not over 3/8" in diameter ...	United States	129	...	...	1,842	1	...
	Belgium	...	...	...	1,766	...	...
	Germany	...	...	...	696	...	...
Welding wire and welding rods	United States	377	16	...	2,242	292	52.3
	Belgium	...	...	...	157	...	...
	Japan	...	...	...	88	...	...
	United Kingdom	...	...	...	1	1	...
Castings -							
For agricultural implements	United States	102	...	...	2,067	38	...
For ingot moulds	United States	2,332	...	...	20,557	...	...
	United Kingdom	279	...	...	1,257	...	...
Malleable	United States	76	...	...	1,141	...	...
	United Kingdom	...	...	...	1	...	...
Non-malleable	United States	22	...	...	366	...	...
Steel	United States	105	8	.2	465	135	1.1
	Germany	...	...	...	1	...	...
	United Kingdom	...	...	...	61	...	...
	France	...	...	...	265	...	...
	Norway	...	...	...	142	...	...
	Belgium	...	...	...	122	...	...
For railway vehicles	United States	...	...	...	188	...	...
	United Kingdom	...	...	...	37	...	...
Rolls	United States	175	28	...	2,736	930	...
	United Kingdom	...	35	...	66	166	...
	Germany	...	...	...	1	...	...
	France	...	...	...	86	...	...
Piston rings (rough)	United States	20	...	...	174	...	...
	France	...	...	...	43	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, October, 1952 and Year to Date (Concluded)

Commodity	Country of origin	O c t o b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Forgings	United States	64	44	...	1,261	337	1.5
	United Kingdom	75	...	...	1,636	16	...
	France	...	...	...	5	...	...
Wheels - For railway rolling stock	United States	94	...	...	157	...	...
	United Kingdom	124	...	...	610	...	...
Tires - For railway rolling stock	United States	10	...	...	121	...	...
	United Kingdom	1,980	...	...	9,624	...	...
Axles - For railway vehicles	United States	...	...	...	121	...	...
	United Kingdom	398	...	...	3,847	...	...
Rails -							
60 lb. and under	United States	320	...	...	2,163	...	...
	Belgium	104	...	...	483	...	...
	France	...	...	...	214	...	...
	Germany	...	...	...	33	...	...
Over 60 lb. and including 100 lb. ...	United States	442	...	...	2,528	...	...
Over 100 lb.	United States	83	...	...	2,039	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	20	...	....	2,488	...	...
	Belgium	4	...	...	144	...	...
	United Kingdom	194	...	...	1,072	...	...
	Germany	...	...	...	1	...	...
	France	...	...	...	61	...	...
Intersections, switches, frogs	United States	7	...	...	1,277	...	...
	France	...	...	...	4	...	...
	Belgium	...	...	...	3	...	...
Total Imports	United States	123,195	4,479	707.6	996,913	33,094	5,558.7
	All other	32,642	239	77.5	377,414	3,109	670.1
TOTAL		155,837	4,718	785.1	1,374,327	36,203	6,228.8

Table 15 - Exports of Primary Iron and Steel, October, 1952 and Year to Date

	October	Year to date
(Tons of 2,000 pounds)		
Pig iron	36,471	305,416
Ingots, blooms and billets	8,614	40,520
Bars	1,876	25,474
Rods	168	328
Plates, sheets and strips	1,780	21,059
Rails	236	1,929
Structural shapes	637	4,759
Pipe and tubing - Wrought iron .....	...	1,015
Cast iron	87	1,102
Galvanized	2	983
Other	112	2,190
Castings, iron and steel	999	12,481
Forgings	1,584	6,110
Total	52,566	423,366

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PRIMARY IRON AND STEELNOVEMBER, 1952

Pig Iron - Production of pig iron in Canada amounted to 225,490 tons in November, compared with 223,467 tons in the corresponding month of last year. The total for the current month included 168,497 tons of basic iron, 19,664 tons of foundry iron and 37,329 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in November amounted to 19,430 tons, compared with 19,152 tons in the previous month and with 22,271 tons in November of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and castings - Production of steel ingots and steel castings during November totalled 308,626 tons, compared with 307,075 tons in November of last year. Output in the month under review included 300,226 tons of ingots and 8,400 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During November, 1951 and 1952

	November, 1951		November, 1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
Pig iron -				
Basic	165,847	14,277	168,497	16,493
Foundry	21,311	18,760	19,664	23,270
Malleable	36,309	33,101	37,329	32,395
Total Pig Iron	223,467	66,138	225,490	72,158
Ferro-alloys	22,271	Not available	19,430	7,959

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Eleven Months Ended November, 1951 and 1952

	1951		1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
Pig iron -				
Basic	1,811,460	150,460	1,894,360	167,166
Foundry	273,783	265,925	197,004	190,098
Malleable	246,916	248,184	357,969	340,272
Total Pig Iron	2,332,159	664,569	2,449,333	697,536
Ferro-alloys	230,255	Not available	213,599	147,325

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During November and Eleven Months Ended November, 1951 and 1952

	November 1951	November 1952	Eleven months ended November	
			1951	1952
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	92,381	78,874	1,166,418	1,264,507
Imported	294,692	290,801	2,866,200	3,100,848
Mill sinder, scale, sinter, etc. ..	51,735	66,052	485,734	399,067
Limestone	87,970	80,626	869,431	900,726
Dolomite	17,625	17,971	155,711	188,879
Coke	210,877	208,277	2,165,821	2,274,885
Scrap iron and steel	4,791	11,078	66,824	101,967

Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd.	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	3	595,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total		14	2,890,000

Table 5 - Description of Iron Blast Furnaces at End of November, 1952

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	14	2,890,000	100.0
Banked .....	...	...	...
Blown out .....	...	...	...
Total	14	2,890,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During November, 1951 and 1952

	November, 1951		November, 1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	249,482	5,369	250,210	1,428
Electric	46,003	7,026	50,016	5,854
Total Steel Ingots	295,485	12,395	300,226	7,282
Alloy steel ingots included in above	11,317	42	24,144	15
<u>Steel Castings</u>				
Open hearth - basic	3,347	2,954	2,805	2,397
Converter	60	64	41	12
Electric	8,183	7,392	5,554	4,298
Total Steel Castings	11,590	10,410	8,400	6,707
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	361	405	98	65
(b) High alloy, manganese and abrasion resistant	879	741	869	972
(c) All other alloys	833	872	825	356

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Eleven Months Ended November, 1951 and 1952

	1951		1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	2,672,780	115,580	2,762,011	117,198
Electric	486,590	55,043	535,495	76,074
Total Steel Ingots	3,159,370	170,623	3,297,506	193,272
Alloy steel ingots included in above	189,684	5,420	202,244	461

Table 7 - Cumulative Production and Sales for the Eleven Months Ended November, 1951 and 1952 (Concluded)

	1 9 5 1		1 9 5 2	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Castings</u>				
Open hearth - basic	28,469	25,407	32,301	29,026
Converter	270	194	355	318
Electric	82,707	65,169	81,615	62,750
Total Steel Castings	111,446	90,770	114,271	92,094
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant			1,195	946
(b) High alloy, manganese and abrasion resistant	22,100	13,831	17,438	16,016
(c) All other alloys			9,348	3,721

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During November and Eleven Months Ended November, 1951 and 1952

	November 1951	November 1952	Eleven months ended November, 1952
	(Net tons of 2,000 pounds)		
Pig iron	163,274	154,642	1,794,361
Scrap - Own make	86,480	88,343	954,173
Purchased	82,084	93,410	969,704

Table 9 - Steel Furnace Capacity at First of January, 1951

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
			(Net tons of 2,000 pounds)		
1 9 5 1					
January	201,131	19,062	299,410	10,243	309,653
February	193,228	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
October	224,511	25,777	298,159	11,255	309,414
November	223,467	22,271	295,485	11,590	307,075
Total - Eleven Months	2,332,159	230,255	3,159,370	111,446	3,270,816
December	220,537	20,675	286,755	9,790	296,545
Total	2,552,696	250,930	3,446,125	121,236	3,567,361

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952 (Concluded)

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
1 9 5 2					
January	209,153	21,458	305,721	11,313	317,034
February	199,162	22,171	294,346	11,519	305,865
March	240,755	23,097	327,885	11,511	339,396
April	214,330	19,856	304,956	11,685	316,641
May	237,079	21,112	318,890	11,634	330,524
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	285,332	8,076	293,408
August	221,387	16,583	289,574	9,339	298,913
September	222,686	17,641	277,684	10,334	288,018
October	220,464	19,152	298,886	9,011	307,897
November	225,490	19,430	300,226	8,400	308,626
Total - Eleven Months	2,449,333	213,599	3,297,506	114,271	3,411,777

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 250,067 net tons in November, 1952, compared with 282,934 tons in November, 1951. The November shipments included 12,508 tons of semi-finished shapes, 14,755 tons of structurals, 19,235 tons of plates, 20,973 tons of rails, 7,728 tons of tie plates and track material, 47,786 tons of hot rolled bars, 19,888 tons of pipes and tubes, 13,629 tons of wire rods, 31,970 tons of black sheets, 8,232 tons of galvanized sheets, 8,482 tons of castings, and 44,881 tons of other rolled products. The amount of producers' interchange was 128,071 tons in November, 1952, as against 132,613 tons in November, 1951.

Of the amounts shipped for sale during November, 45,886 tons went direct to railways and railway car shops; 11,363 tons went to pressing, forming and stamping plants; 19,632 tons to merchant trade products; 33,304 tons to building construction; 23,257 tons to the containers industry; 8,290 tons to agricultural equipment; 29,685 tons to the automotive industry; 14,587 tons to machinery plants; 4,635 tons to shipbuilding; 13,870 tons to mining, lumbering, etc., and 8,531 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 30,280 tons, and exports for 6,747 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 128,071 tons in November.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, November, 1952

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	12,314	10,409	1,828
Other semi-finished shapes, not for re-rolling by makers	26,717	1,419	23,276
Structural shapes and piling	14,906	14,755	...
Plates	19,572	19,165	...
Rails	20,400	20,973	...
Tie plates and track material: Splice bars	962	1,010	...
Tie plates	4,891	5,271	...
Spikes	1,348	1,447	...
Concrete reinforcing bars	13,518	11,781	...
Hot rolled bars for cold finishing	1,808	...	1,717
Other hot rolled bars	47,155	36,125	7,443
Pipes and tubes	21,655	19,888	6
Wire rods	12,674	13,569	29
Hot rolled black sheets	73,225	18,841	53,278
Cold reduced black sheets	19,565	13,129	4,726
Galvanized sheets	8,595	8,232	...
Steel castings	6,488	6,573	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other) ...	65,981	31,964	35,041
Total - Carbon Steel	371,774	234,551	127,344

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, November, 1952 (Concluded)

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Alloy Steel</u>			
Billets, etc., for forging	1,276	680	311
Other semi-finished shapes, not for re-rolling by makers	317	...	317
Structural shapes and piling .....	...	...	...
Plates	48	70	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	12,042	11,661	99
Pipes and tubes .....	...	...	...
Wire rods	12	60	...
Steel castings	1,753	1,909	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	1,109	1,136	...
Total - Alloy Steel	16,557	15,516	727

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Eleven Months Ended November, 1952

November, 1922

	P r o d u c t i o n (Including producers' interchange)	S h i p m e n t s For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	116,424	79,059	37,128
Other semi-finished shapes, not for re-rolling by makers	428,050	18,246	409,711
Structural shapes and piling	165,760	174,041	...
Plates	216,032	216,458	19
Rails	231,009	232,285	...
Tie plates and track material: Splice bars	15,291	15,034	...
Tie plates	67,107	69,597	...
Spikes	15,329	15,415	...
Concrete reinforcing bars	138,943	132,136	...
Hot rolled bars for cold finishing	11,673	...	11,579
Other hot rolled bars	528,956	420,170	100,530
Pipes and tubes	263,607	259,649	10
Wire rods	292,292	294,576	934
Hot rolled black sheets	692,621	122,158	568,416
Cold reduced black sheets	207,080	147,647	57,499
Galvanized sheets	102,578	103,305	117
Steel castings	88,750	88,400	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, and axles and all other)	730,126	347,277	378,191
Total - Carbon Steel	4,311,628	2,735,453	1,564,134
<u>Alloy Steel</u>			
Billets, etc., for forging	12,821	12,085	311
Other semi-finished shapes, not for re-rolling by makers	3,180	...	3,175
Structural shapes and piling .....	...	...	...
Plates	950	1,120	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	95,149	92,721	119
Pipes and tubes .....	...	...	...
Wire rods	1,196	1,228	...
Steel castings	25,423	24,201	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other) ..	13,826	13,584	...
Total - Alloy Steel	152,545	144,939	3,605

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 13 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, November, 1952 and Year to Date

	N o v e m b e r		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	19,051	10,634	120,083	74,199
Agricultural, including farm machinery	8,057	233	126,185	3,395
Building construction	33,231	73	345,877	1,070
Containers industry	23,230	27	261,374	103
Machinery and tools	13,762	825	167,231	10,266
Merchant trade products	19,429	203	369,266	3,337
Mining, lumbering, etc.	12,891	979	166,192	13,872
National defence	4,309	171	61,649	4,422
Pressing, forming and stamping	11,254	109	119,449	960
Public works and utilities	2,678	104	18,935	657
Railway operating	32,431	241	389,914	2,353
Railway cars and locomotives	13,067	147	179,601	2,599
Shipbuilding	4,531	104	47,188	1,338
Miscellaneous and unclassified	1,054	215	11,739	2,108
Wholesalers and warehouses	30,055	225	297,822	2,101
Direct export (a) to British Empire ..	1,420	261	14,053	9,559
(b) to other countries ..	4,101	965	38,895	12,600
Total Shipped for Sale	234,551	15,516	2,735,453	144,939
Producers' interchange	127,344	727	1,564,134	3,605

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1952 and Year to Date

Commodity	Country of origin	November, 1952			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	...	...	...	1,645	...	...
Malleable	United States	...	...	...	86	...	...
Special	United States	157	...	...	157	...	...
	France	83	...	...	83	...	...
Ingots	United States	151	...	...	75,887	...	...
Billets, blooms, slabs and sheet bars	United States	233	2	...	5,129	586	...
	United Kingdom	...	...	...	...	13	...
Tube rounds and tube billets	United States	340	30	...	5,786	108	...
	Belgium	...	...	...	35	...	...
	United Kingdom	...	...	...	178	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	2,776	718	1.8	49,712	7,977	122.7
	United Kingdom	317	108	5.0	3,775	815	75.4
	Belgium	2,980	...	...	41,620	...	...
	France	329	...	...	12,231	...	...
	Japan	...	...	...	5,153	...	...
	Germany	...	...	...	711	...	...
	Sweden	1	...	...	17	...	...
Hot rolled -							
For agricultural implements	United States	1,573	74	...	22,621	200	...
	United Kingdom	2	...	...	235	...	...
	Belgium	...	...	...	254	...	...
	France	...	...	...	20	...	...
Rounds over 4-7/8", squares							
over 4"	United States	159	...	...	903	60	1.4
	United Kingdom	98	47	...	353	237	1.1
	Belgium	...	...	...	26	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1952 and Year to Date

		November, 1952			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and section (Concluded)							
Hot rolled (Concluded) -							
Angles, channels, etc.	United States	791	...	.7	11,010	144	23.9
	Belgium	1,385	...	...	9,588	...	...
	United Kingdom	359	...	...	1,218	...	...
	France	...	...	...	1,879	...	...
	Germany	...	...	...	25	...	...
	Japan	...	...	...	114	...	...
Structurals (bar sizes) for agricultural implements	United States	413	...	...	8,643	...	...
	United Kingdom	...	...	...	22	...	...
Sash or casement sections ...	United States	130	...	...	1,776	...	...
	Belgium	...	...	...	80	...	...
	Germany	...	...	...	45	...	...
Cold rolled, n.o.p.	United States	576	34	4.3	5,687	113	28.2
	United Kingdom	214	4	.7	1,841	46	3.9
	Belgium	33	...	...	790	...	...
	Sweden	...	...	...	145	...	...
	Germany	...	...	...	550	...	...
	France	...	...	...	2,589	...	...
Cold rolled, for agricultural implements	United States	427	3	...	3,742	15	...
	United Kingdom	...	...	...	20	...	...
	Belgium	...	...	...	83	...	...
Tool steel	United States	63	74	...	478	1,117	...
	United Kingdom	45	117	...	303	1,168	...
	Belgium	...	...	...	127	...	...
	Austria	...	...	...	...	1	...
Structurals	United States	11,854	...	...	142,463	7	2.1
	United Kingdom	663	...	...	15,536	...	...
	Belgium	4,907	...	...	62,014	...	...
	France	912	...	...	10,088	...	...
	Germany	...	...	...	867	...	...
	Japan	...	...	...	420	...	...
Plates -							
78" and under in width	United States	7,096	59	29.0	94,491	263	821.3
	United Kingdom	2,622	...	.5	20,205	48	14.7
	France	...	...	...	4,622	...	...
	Germany	...	...	...	4,632	...	...
	Japan	827	...	...	17,762	...	...
	Belgium	1,156	...	...	7,454	...	...
	Austria	...	...	...	498	...	...
	Italy	...	...	...	29	...	...
	Sweden	...	...	...	...	...	.8
Over 78" and under 100" in width	United States	2,809	...	...	37,374	53	66.5
	United Kingdom	2,171	...	...	21,358	...	4.6
	Belgium	1	...	...	341	...	...
	France	...	...	...	525	...	...
	Japan	...	...	...	1,350	...	...
	Austria	...	...	...	168	...	...
	Germany	...	...	...	176	...	...
100" in width and over	United States	278	...	...	5,644	44	3.8
	United Kingdom	...	...	...	1,666	...	...
	Belgium	7	...	...	12	...	...
	Japan	...	...	...	8	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1952 and Year to Date (Continued)

Commodity	Country of origin	November, 1952			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Plates (Concluded) -							
Flanged, dished or curved	United States	206	...	20.1	2,042	...	56.5
	United Kingdom	...	...	...	36	...	...
Boiler, pulp-mill digesters	United States	263	...	...	3,122	...	...
	United Kingdom	464	...	...	1,567	...	...
	Belgium	...	...	...	30	...	...
	Japan	...	...	...	104	...	...
Chequered or surface pattern	United States	481	...	...	7,521	...	...
	United Kingdom	34	...	...	546	...	...
	Belgium	...	...	...	20	...	...
	Japan	...	...	...	16	...	...
Sheets -							
Silicon .075 or more	United States	...	1,085	...	...	17,236	...
	United Kingdom	...	601	...	...	1,077	...
Galvanized	United States	690	...	...	10,257	...	...
	United Kingdom	579	...	...	4,697	...	...
Hot rolled -							
18 gauge and heavier	United States	6,664	46	20.6	71,440	488	741.1
	Germany	...	...	...	985	...	...
	Belgium	...	...	...	1,745	...	...
	United Kingdom	710	...	31.9	5,635	...	261.0
	France	...	...	...	231	...	...
	Sweden	45	...	.5	98	2	.5
	Japan	11	...	...	1,910	...	...
Lighter than 18 gauge	United States	19	1	21.9	2,870	73	240.4
	United Kingdom	56	...	11.5	459	...	37.9
	Sweden	...	...	14.2	...	...	14.2
For cold rolling	United States	...	...	...	43	...	...
For hollow ware (vitreous enamel).	United States	209	...	...	2,762	...	...
	United Kingdom	...	...	...	53	...	...
Corrugated	United States	624	...	...	5,186	...	...
	United Kingdom	...	...	...	140	...	...
Coated with paint, tar, asphaltum, etc.	United States	...	...	...	330	...	...
For saws	United States	...	138	...	140	553	...
	United Kingdom	...	...	...	4	19	...
	Sweden	...	...	...	...	1	...
For tubes	United States	...	...	...	567	...	...
For motor vehicles	United States	337	...	...	1,651	...	...
Cold rolled -							
18 gauge and heavier	United States	1,006	...	48.7	21,487	84	838.8
	United Kingdom	...	...	...	652	...	22.4
Lighter than 18 gauge	United States	1,825	...	63.4	25,325	86	938.2
	United Kingdom	266	...	19.0	1,812	...	54.4
	Belgium	...	...	...	25	...	...
For hollow ware (vitreous enamel).	United States	456	...	...	3,114	...	...
	United Kingdom	151	...	...	904	...	...
Black plate - Tin mill	United States	...	...	...	166	...	...
Coated with paint, tar, asphaltum, etc.	United States	49	...	...	542	...	...
For heating apparatus	United States	...	...	...	247	1	...
For saws	United States	...	...	...	7	3	...
	Sweden	...	...	...	4	3	...
For tubes	United States	77	...	...	4,066	16	...
For motor vehicles	United States	17	...	...	69	...	...
Tin plate - Primes	United Kingdom	35	...	...	478	...	...
	United States	9	...	...	37	...	...
Electrolytic 25#	United States	40	...	...	520	...	...
	United Kingdom	...	...	...	3	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1952 and Year to Date (Continued)

Commodity	Country of origin	November, 1952			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets (Concluded) -							
Terne plate - Long	United States	296	...	...	4,866	...	...
	United Kingdom	...	...	...	28	...	...
Short	United States	108	...	...	1,493	...	...
	United Kingdom	...	...	...	14	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	2,198	9	15.6	24,052	129	44.8
	United Kingdom	...	...	...	342	...	...
	Belgium	83	...	...	556	...	...
	France	...	...	...	11	...	...
Lighter than 18 gauge	United States	14	...	...	949	110	106.7
	United Kingdom	...	...	...	11	1	...
	Belgium	...	...	...	6	...	...
For cold rolling	United States	284	...	...	1,727	...	...
	United Kingdom	...	...	...	20	...	...
Painted	United States	...	...	...	17	...	...
For shoe and corset laces, buckles, ball bearings, etc. .	United States	10	...	...	125	...	...
	United Kingdom	...	...	...	27	...	...
For saws	United States	...	...	...	257	64	...
	United Kingdom	...	...	...	2	5	...
	Sweden	...	...	...	1	14	...
For motor vehicles	United States	1,829	...	...	13,314	...	...
	Belgium	39	...	...	39	...	...
For hoops	United States	46	...	...	888	...	...
	United Kingdom	57	...	...	176	...	...
	Belgium	1	...	...	55	...	...
For tubes	United States	52	...	...	2,210	3	...
	United Kingdom	...	...	...	...	14	...
For tubular products	United States	...	...	...	99	...	...
Silicon .075 or more	United States	...	350	...	...	1,442	...
18 gauge and heavier	United States	303	61	57.3	4,624	148	424.8
	United Kingdom	...	...	...	117	...	...
	Sweden	54	...	...	83	...	...
	Germany	...	...	...	13	...	...
Lighter than 18 gauge	United States	433	39	89.7	5,277	518	664.7
	Sweden	20	...	...	530	22	1.9
	United Kingdom	12	...	...	193	...	1.2
	Germany	...	...	...	4	18	...
Painted	United States	560	...	...	6,425	...	...
	Germany	...	...	...	23	...	...
For shoe and corset laces, buckles, ball bearings, etc. .	United States	...	...	...	93	...	...
	United Kingdom	...	...	...	81	...	...
For saws	United States	1	6	...	68	181	...
	Sweden	...	12	...	28	81	...
For tubes	United States	256	...	...	3,834	38	...
For tubular products	United States	33	...	...	1,867	...	...
For butt hinges	United States	159	...	...	2,648	...	...
	United Kingdom	...	...	...	62	...	...
	Sweden	...	...	...	8	...	...
For hoops	United States	...	...	...	68	...	...
	United Kingdom	...	...	...	27	...	...
For motor vehicles	United States	33	...	...	33	...	...
Galvanized strip	United States	306	...	...	4,477	...	...
	United Kingdom	11	...	...	387	...	...
	Germany	...	...	...	35	...	...
	Belgium	...	...	...	14	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1952 and Year to Date (Continued)

Commodity	Country of origin	November, 1952			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Skelp -							
15-3/8" in width	United States	6,949	...	...	79,649	...	...
	France	1,073	...	...	2,085	...	...
	Belgium	...	...	...	14,347	...	...
	United Kingdom	...	...	...	2,942	...	...
	Germany	...	...	...	325	...	...
Over 15-3/8" in width	United States	592	...	...	3,061	...	...
Plate	United States	234	...	...	24,120	...	...
Pipes and tubes -							
Cast	United States	110	...	...	797	..	...
	United Kingdom	1,184	...	...	12,751	...	...
	Germany	...	...	...	46	...	...
	Sweden	...	...	...	12	...	...
	France	...	...	...	12	...	...
Bedstead	United States	5	...	...	116	...	...
	United Kingdom	...	...	...	8	...	...
	Holland	...	...	...	1	...	...
Repair of pressure parts of boilers-							
Hot finished	United States	693	80	1.6	6,324	137	75.4
	United Kingdom	308	...	...	2,899	...	21.5
	Sweden	...	...	...	23	...	...
	France	...	...	...	38	...	...
Cold drawn	United States	97	38	...	1,741	67	16.0
	United Kingdom	72	...	...	1,476	6	1.4
	Sweden	...	...	...	4	...	...
Welded	United States	743	...	2.3	2,727	...	3.1
	United Kingdom	93	...	...	741	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	369	139	56.1	4,723	1,187	355.1
	United Kingdom	199	2	12.9	2,143	28	220.0
	Sweden	...	34	...	110	156	.1
	Germany	...	...	...	119	...	...
	Belgium	...	...	...	2	...	...
	Japan	...	...	...	3	...	...
Hot finished	United States	1,128	190	10.4	11,368	1,124	126.6
	United Kingdom	1,344	2	...	14,414	7	13.8
	Germany	...	...	...	57	...	...
	Sweden	...	...	...	12	67	...
	Japan	...	...	...	55	...	...
	Belgium	22	...	...	22	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	162	...	1.5	2,817	98	3.0
	United Kingdom	9	...	...	11,478	...	...
Welded, 4" and under in diameter	United States	214	...	8.8	3,876	26	128.4
	United Kingdom	879	...	...	8,166	...	8.6
	Germany	...	...	...	96	...	...
	Belgium	...	...	...	32	...	...
Welded, over 4" in diameter ...	United States	8,558	...	.6	85,771	...	12.5
	United Kingdom	346	...	...	2,636	...	...
	Germany	...	...	...	78	...	...
	Belgium	...	...	...	13	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	33	...	...	538	...	...
	United Kingdom	...	...	...	1	...	...
Spiral welded	United States	249	...	...	2,480	...	...
Casings	United States	5,837	...	...	47,821	...	...
	United Kingdom	667	...	...	14,027	...	...
	Germany	...	...	...	1,470	...	...
	France	...	...	...	1,247	...	...
	Japan	393	...	...	1,522	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1952 and Year to Date (Continued)

Commodity	Country of origin	November, 1952			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes (Concluded) - Tubing (Concluded) - Fittings and couplings	United States	479	9	19.2	5,707	22	104.2
	United Kingdom	58	...	...	668	...	...
	Germany	...	...	...	31	...	...
	Sweden	...	...	...	1	...	...
	Switzerland	...	...	...	2	...	...
Wire rope	United States	49	2	...	825	2	9.4
	United Kingdom	115	...	...	864	...	...
	Belgium	...	...	...	17	...	...
	Germany	2	...	...	187	...	...
	Holland	...	...	...	54	...	...
Wire for rope	United States	816	...	.3	19,068	...	1.3
	United Kingdom	665	...	...	6,735	...	5.3
	Belgium	...	...	...	9	...	...
	West Germany	...	...	...	132	...	...
Wire - For corset laces, steels, etc.	United States	6	...	...	242	...	...
	United Kingdom	...	...	...	1	...	...
For spring mattresses, etc. ..	United States	543	...	...	2,494	...	...
	United Kingdom	...	...	...	12	...	...
Wire cloth and netting	United States	...	...	.1	746	...	3.5
	United Kingdom	12	...	...	78	...	...
	Belgium	...	...	...	127	...	...
Wire, coated	United States	25	...	.2	1,380	...	.2
	United Kingdom	29	...	...	137	...	...
	Germany	...	...	...	8	...	...
	Belgium	...	...	...	38	...	...
Wire, all other	United States	446	...	1.7	6,489	25	15.1
	United Kingdom	36	...	...	124	...	1.2
	Germany	4	...	...	72	...	.4
	Italy	...	...	...	19	...	...
	Sweden	...	...	...	27	4	...
	Belgium	...	...	...	432	...	...
	France	...	...	...	61	...	...
Wire rods, not over 3/8" in diameter	United States	156	...	...	1,998	1	...
	Belgium	322	...	...	2,088	...	...
	Germany	...	...	...	696	...	...
	United Kingdom	222	...	...	222	...	...
Welding wire and welding rods	United States	196	1	...	2,438	293	52.3
	Belgium	...	...	...	157	...	...
	Japan	...	...	...	88	...	...
	United Kingdom	...	...	...	1	1	...
Castings -							
For agricultural implements	United States	54	...	...	2,121	38	...
For ingot moulds	United States	3,443	...	...	24,000	...	...
	United Kingdom	...	...	...	1,257	...	...
Malleable	United States	57	...	...	1,198	...	...
	United Kingdom	6	...	...	7	...	...
Non-malleable	United States	65	...	...	431	...	...
Steel	United States	11	135	.1	476	270	1.2
	Germany	...	...	...	1	...	...
	United Kingdom	...	...	...	61	...	...
	France	...	...	...	265	...	...
	Norway	49	...	...	191	...	...
	Belgium	4	...	...	126	...	...
For railway vehicles	United States	5	...	...	193	...	...
	United Kingdom	...	...	...	37	...	...
Rolls	United States	112	80	...	2,848	1,010	...
	United Kingdom	...	...	...	66	166	...
	Germany	...	...	...	1	...	...
	France	...	...	...	86	...	...
Piston rings (rough)	United States	10	...	...	184	...	...
	France	...	...	...	43	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1952 and Year to Date (Concluded)

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1952 and Year to Date (Continued)							
Commodity	Country of origin	November, 1952			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Forgings	United States	111	3	.1	1,372	340	1.6
	United Kingdom	249	14	...	1,885	30	...
	France	...	...	...	5	...	...
Wheels - For railway rolling stock.	United States	14	...	...	135	...	...
	United Kingdom	1,987	...	...	11,611	...	...
Tires - For railway rolling stock .	United States	24	...	...	145	...	...
	United Kingdom	569	...	...	4,416	...	...
Axles - For railway vehicles	United States	...	...	...	157	...	...
	United Kingdom	10	...	...	620	...	...
Rails -							
60 lb. and under	United States	121	...	...	2,284	...	...
	Belgium	224	...	...	707	...	...
	France	...	...	...	214	...	...
	Germany	...	...	...	33	...	...
Over 60 lb. and including 100 lb.	United States	65	...	...	2,593	...	...
	United Kingdom	311	...	...	311	...	...
Over 100 lb.	United States	...	...	...	2,039	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	185	...	...	2,673	...	...
	Belgium	10	...	...	154	...	...
	United Kingdom	26	...	...	1,098	...	...
	Germany	...	...	...	1	...	...
	France	...	...	...	61	...	...
Intersections, switches, frogs ..	United States	...	...	...	1,277	...	...
	France	...	...	...	4	...	...
	Belgium	...	...	...	3	...	...
Total Imports	United States	82,685	3,406	476.1	1,079,598	36,500	6,034.8
	All other	33,239	941	96.2	410,653	4,050	766.3
TOTAL		115,924	4,347	572.3	1,490,251	40,550	6,801.1

Table 15 - Exports of Primary Iron and Steel, November, 1952 and Year to Date

	November	Year to date
(Tons of 2,000 pounds)		
Pig iron	36,035	341,451
Ingots, blooms and billets	8,947	49,467
Bars	1,263	26,738
Rods	180	509
Plates, sheets and strips	4,928	25,987
Rails	666	2,595
Structural shapes	910	5,669
Pipe and tubing - Wrought iron	5	1,020
Cast iron	70	1,173
Galvanized	87	1,070
Other	180	2,370
Castings, iron and steel	988	13,469
Forgings	2,003	8,113
Total	56,262	479,631



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PRIMARY IRON AND STEEL

DECEMBER, 1952

Pig Iron - Production of pig iron in Canada amounted to 232,732 tons in December compared with 220,537 tons in the corresponding month of last year. The total for the current month included 169,997 tons of basic iron, 23,557 tons of foundry iron and 39,178 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in December amounted to 18,437 tons, compared with 19,430 tons in the previous month and with 20,675 tons in December of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferro-phosphorus.

The December, 1952 shipments of ferro-alloys amounted to 16,779 tons, including domestic shipments of 5,076 net tons and export shipments of 11,703 net tons.

Steel Ingots and Castings - Production of steel ingots and steel castings during December totalled 319,684 tons, compared with 296,545 tons in December of last year. Output in the month under review included 311,918 tons of ingots and 7,766 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During December, 1951 and 1952

	December, 1951		December, 1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	177,276	19,706	169,997	9,443
Foundry	11,613	12,266	23,557	17,375
Malleable	31,648	30,993	39,178	30,178
Total Pig Iron	220,537	62,965	232,732	56,996
<u>Ferro-alloys</u>	20,675	Not available	18,437	16,779

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Twelve Months Ended December, 1951 and 1952

	1951		1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	1,988,736	170,166	2,064,357	176,609
Foundry	285,396	278,191	220,561	207,473
Malleable	278,564	479,177	397,147	370,450
Total Pig Iron	2,552,696	727,534	2,682,065	754,532
<u>Ferro-alloys</u>	250,930	Not available	232,036	225,137(+)

(★) Includes amounts for sale and for own use. (+) Revised to include amounts shipped for export.

Table 3 - Iron Blast Furnace Charges During December and Twelve Months Ended December, 1951 and 1952

	December 1951	December 1952	Twelve months ended December	
			1951	1952
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	102,526	73,745	1,268,944	1,338,252
Imported	296,342	320,173	3,162,542	3,421,021
Mill cinder, scale, sinter, etc.	39,009	70,298	524,743	469,365
Limestone	87,602	78,638	957,033	979,364
Dolomite	17,194	23,076	172,905	211,955
Coke	210,555	220,687	2,376,376	2,495,572
Scrap iron and steel	4,408	7,328	71,232	109,295

Table 4 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd.	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	3	595,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	4	1,257,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
	Total	15	3,390,000

Table 5 - Description of Iron Blast Furnaces at End of December, 1952

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	14	3,257,000	96.1
Banked .....	...	...	...
Blown out	1	133,000	3.9
Total	15	3,390,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During December, 1951 and 1952

	December, 1951		December, 1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel Ingots</u>				
Open hearth - basic	245,094	14,560	266,774	4,173
Electric	41,661	6,713	45,144	2,996
Total Steel Ingots	286,755	21,273	311,918	7,169
Alloy steel ingots included in above ..	18,786	44	16,582	15
<u>Steel Castings</u>				
Open hearth - basic	3,014	2,664	2,067	1,714
Converter	6	45	33	60
Electric	6,770	5,753	5,666	4,255
Total Steel Castings	9,790	8,462	7,766	6,029
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	127	101	97	66
(b) High alloy, manganese and abrasion resistant	1,024	975	934	901
(c) All other alloys	438	191	855	287

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Twelve Months Ended December, 1951 and 1952

	1951		1952	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel Ingots</u>				
Open hearth - basic	2,917,874	130,140	3,019,016(★)	121,371
Electric	528,251	61,756	580,639	79,070
Total Steel Ingots	3,446,125	191,896	3,599,655	200,441
Alloy steel ingots included in above ..	208,470	5,464	218,826	476

(★) Revised.

Primary Iron and Steel

- 3 -

Table 7 - Cumulative Production and Sales for the Twelve Months Ended December, 1951 and 1952 (Concluded)

	1 9 5 1		1 9 5 2	
	Tonnage made (★)	Tonnage shipped (Net tons of 2,000 pounds)	Tonnage made (★)	Tonnage shipped
<u>Steel Castings</u>				
Open hearth - basic	31,483	28,071	34,368	30,740
Converter	276	239	388	378
Electric	89,477	70,922	87,281	67,005
Total Steel Castings	121,236	99,232	122,037	98,123
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant			1,292	1,012
(b) High alloy, manganese and abrasion resistant	23,689	15,098	18,372	16,917
(c) All other alloys			10,203	4,008

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During December, 1951 and 1952 and Twelve Months Ended December, 1952

	December 1951	December 1952	Twelve months ended December, 1952
	(Net tons of 2,000 pounds)		
Pig iron	159,106	162,945	1,957,306
Scrap - Own make	79,905	86,018	1,040,191
Purchased	86,580	103,913	1,073,617

Table 9 - Steel Furnace Capacity at First of January, 1951

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings ...	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
<u>1 9 5 1</u>					
January	201,131	19,062	299,410	10,243	309,653
February	193,228	14,914	271,222	10,158	281,380
March	220,603	19,451	304,281	10,545	314,826
April	211,112	19,552	301,764	10,241	312,005
May	218,989	23,542	302,928	10,384	313,312
June	213,184	19,774	283,664	9,851	293,515
July	210,263	17,608	266,646	7,956	274,602
August	203,186	25,327	277,931	8,873	286,804
September	212,485	22,977	257,880	10,350	268,230
October	224,511	25,777	298,159	11,255	309,414
November	223,467	22,271	295,485	11,590	307,075
December	220,537	20,675	286,755	9,790	296,545
Total	2,552,696	250,930	3,446,125	121,236	3,567,361

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1951 and 1952 (Concluded)

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
1 9 5 2					
January	209,153	21,458	305,721	11,313	317,034
February	199,162	22,171	294,346	11,519	305,865
March	240,755	23,097	327,885	11,511	339,396
April	214,330	19,856	304,956	11,685	316,641
May	237,079	21,112	318,890	11,634	330,524
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	285,332	8,076	293,408
August	221,387	16,583	279,805(★)	9,339	289,144(★)
September	222,686	17,641	277,684	10,334	288,018
October	220,464	19,152	298,886	9,011	307,897
November	225,490	19,430	300,226	8,400	308,626
December	232,732	18,437	311,918	7,766	319,684
Total	2,682,065	232,036	3,599,655(★)	122,037	3,721,692

(★) Revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 258,722 net tons in December, 1952 compared with 247,559 tons in December, 1951. The December 1952 shipments included 14,016 tons of semi-finished shapes, 10,646 tons of structurals, 20,541 tons of plates, 22,875 tons of rails, 7,678 tons of tie plates and track material, 48,727 tons of hot rolled bars, 18,075 tons of pipes and tubes, 21,785 tons of wire rods, 39,648 tons of black sheets, 8,596 tons of galvanized sheets, 7,719 tons of castings, and 38,414 tons of other rolled products. The amount of producers' interchange was 125,773 tons in December, 1952, as against 137,652 tons in December, 1951.

Of the amounts shipped for sale during December, 1952, 43,940 tons went direct to railways and railway car shops; 10,790 tons went to pressing, forming and stamping plants; 30,229 tons to merchant trade products; 27,355 tons to building construction; 18,686 tons to the containers industry; 13,694 tons to agricultural equipment; 34,165 tons to the automotive industry; 14,612 tons to machinery plants; 6,266 tons to shipbuilding; 9,741 tons to mining, lumbering, etc., and 9,218 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 33,098 tons, and exports for 6,928 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 125,773 tons in December.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, December, 1952

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
Carbon Steel			
Billets, etc., for forging	13,695	9,053	3,870
Other semi-finished shapes, not for re-rolling by makers	28,563	4,173	21,366
Structural shapes and piling	11,048	10,646	...
Plates	22,138	20,520	...
Rails	22,712	22,875	...
Tie plates and track material: Splice bars	947	4,948	...
Tie plates	6,287	1,987	...
Spikes	1,056	743	...
Concrete reinforcing bars	7,191	10,143	...
Hot rolled bars for cold finishing	1,263	...	1,164
Other hot rolled bars	53,000	41,796	10,385
Pipes and tubes	17,972	18,075	...
Wire rods	21,317	21,784	5
Hot rolled black sheets	75,790	26,175	50,514
Cold reduced black sheets	18,818	13,473	5,023
Galvanized sheets	8,988	8,596	40
Steel castings	5,813	5,904	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	65,685	26,603	33,031
Total - Carbon Steel	382,283	247,496	125,398

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, December, 1952 (Concluded)

	<div>Production</div> <div>(Including producers' interchange)</div>	<div>Shipments</div> <div>For Producers' sale interchange</div>	
	(Tons of 2,000 pounds)		
<u>Alloy Steel</u>			
Billets, etc., for forging	1,030	790	...
Other semi-finished shapes, not for re-rolling by makers.	342	...	342
Structural shapes and piling .....	...	...	...
Plates	114	21	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,454	6,931	33
Pipes and tubes .....	...	...	...
Wire rods	41	1	...
Steel castings	1,921	1,815	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	1,710	1,668	...
Total - Alloy Steel	11,612	11,226	375

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Twelve Months Ended December, 1952

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	130,119	88,112	40,998
Other semi-finished shapes, not for re-rolling by makers.	456,613	22,419	431,077
Structural shapes and piling	176,808	184,687	...
Plates	238,170	236,978	19
Rails	253,721	255,160	...
Tie plates and track material: Splice bars	16,238	19,982	...
Tie plates	73,394	71,584	...
Spikes	16,385	16,158	...
Concrete reinforcing bars	146,134	142,279	...
Hot rolled bars for cold finishing	12,936	...	12,743
Other hot rolled bars	581,956	461,966	110,915
Pipes and tubes	281,579	277,724	10
Wire rods	313,609	316,360	939
Hot rolled black sheets	768,411	148,333	618,930
Cold reduced black sheets	225,898	161,120	62,522
Galvanized sheets	111,566	111,901	157
Steel castings	94,563	94,304	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, and axles and all other)	795,811	373,880	411,222
Total - Carbon Steel	4,693,911	2,982,949	1,689,532
<u>Alloy Steel</u>			
Billets, etc., for forging	13,851	12,875	311
Other semi-finished shapes, not for re-rolling by makers.	3,522	...	3,517
Structural shapes and piling .....	...	...	...
Plates	1,064	1,141	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	101,603	99,652	152
Pipes and tubes .....	...	...	...
Wire rods	1,237	1,229	...
Steel castings	27,344	26,016	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	15,536	15,252	...
Total - Alloy Steel	164,157	156,165	3,980

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 13 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, December, 1952 and Year to Date

	D e c e m b e r		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	27,348	6,817	147,431	81,016
Agricultural, including farm machinery ...	13,496	198	139,681	3,593
Building construction	27,276	79	373,153	1,149
Containers industry	18,650	36	280,024	139
Machinery and tools	13,828	784	181,059	11,050
Merchant trade products	30,079	150	399,345	3,487
Mining, lumbering, etc.	8,878	863	175,070	14,735
National defence	4,269	281	65,918	4,703
Pressing, forming and stamping	10,650	140	130,099	1,100
Public works and utilities	3,345	44	22,280	701
Railway operating	33,642	191	423,556	2,544
Railway cars and locomotives	9,957	150	189,558	2,749
Shipbuilding	6,195	71	53,383	1,409
Miscellaneous and unclassified	1,074	205	12,813	2,313
Wholesalers and warehouses	33,017	81	330,839	2,182
Direct export (a) to British Empire	4,337	296	18,390	9,855
(b) to other countries	1,455	840	40,350	13,440
Total Shipped for Sale	247,496	11,226	2,982,949	156,165
Producers' interchange	125,398	375	1,689,532	3,980

Table 14 - Imports of Primary Forms of Iron and Steel, December, 1952 and Year to Date

Commodity	Country of origin	December, 1952			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	...	...	...	865*	...	...
Malleable	United States	34	...	...	120	...	...
Special	United States	359	...	...	516	...	...
	France	...	...	...	83	...	...
Ingot	United States	...	...	...	76,945*	...	...
Billets, blooms, slabs and sheet bars ..	United States	69	11	...	5,198	597	...
	United Kingdom	...	...	...	...	13	...
Tube rounds and tube billets	United States	1,042	...	...	6,828	108	...
	Belgium	...	...	...	35	...	...
	United Kingdom	...	...	...	178	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	3,473	1,141	13.5	53,185	9,118	136.2
	United Kingdom	112	25	1.6	3,887	840	77.0
	Belgium	281	...	...	41,901	...	...
	France	264	...	...	12,495	...	...
	Japan	173	...	...	5,326	...	...
	Germany	...	...	...	711	...	...
	Sweden	...	...	...	17	...	...
Hot rolled -							
For agricultural implements	United States	870	49	...	23,491	249	...
	United Kingdom	...	...	...	235	...	...
	Belgium	...	...	...	254	...	...
	France	...	...	...	20	...	...
Rounds over 4-7/8", squares over 4"	United States	213	52	...	1,116	112	1.4
	United Kingdom	24	22	...	377	259	1.1
	Belgium	...	...	...	26	...	...
Angles, channels, etc.	United States	739	...	9.3	11,749	144	33.2
	Belgium	460	...	...	10,048	...	...
	United Kingdom	...	...	...	1,218	...	...
	France	38	...	...	1,917	...	...
	Germany	...	...	...	25	...	...
	Japan	...	...	...	114	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December, 1952 and Year to Date (Continued)

Commodity	Country of origin	December, 1952			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Bars and sections - (Concluded)							
Hot rolled - (Concluded)							
Structurals (bar sizes) for agricultural implements	United States	523	4	...	9,166	4	...
	United Kingdom	...	...	...	22	...	...
Sash or casement sections	United States	152	...	...	1,928	...	...
	Belgium	...	...	...	80	...	...
	Germany	...	...	...	45	...	...
Cold finished, n.o.p.	United States	452	45	4.3	6,139	158	32.5
	United Kingdom	124	...	...	1,965	46	3.9
	Belgium	1	...	...	791	...	...
	Sweden	...	...	...	145	...	...
	Germany	...	...	...	550	...	...
	France	...	...	...	2,589	...	...
Cold finished, for agricultural implements	United States	452	...	...	4,194	15	...
	United Kingdom	...	...	...	20	...	...
	Belgium	...	...	...	83	...	...
Tool steel	United States	3	67	...	481	1,184	...
	United Kingdom	60	81	...	363	1,249	...
	Belgium	...	...	...	127	...	...
	Austria	...	...	...	...	1	...
Structurals	United States	12,614	...	...	155,077	7	2.1
	United Kingdom	350	...	...	15,886	...	...
	Belgium	1,011	...	...	63,025	...	...
	France	127	...	...	10,215	...	...
	Germany	...	...	...	867	...	...
	Japan	84	...	...	504	...	...
Plates -							
78" and under in width	United States	6,779	79	71.0	101,270	342	892.3
	United Kingdom	945	...	...	21,150	48	14.7
	France	...	...	...	4,622	...	...
	Germany	154	...	...	4,786	...	...
	Japan	336	...	...	18,098	...	...
	Belgium	162	...	...	7,616	...	...
	Austria	...	...	...	498	...	...
	Italy	...	...	...	29	...	...
	Sweden	...	...	...	...	...	.8
Over 78" and under 100" in width	United States	2,994	...	13.5	40,368	53	80.0
	United Kingdom	3,094	...	...	24,452	...	4.6
	Belgium	...	...	...	341	...	...
	France	...	...	...	525	...	...
	Japan	...	...	...	1,350	...	...
	Austria	...	...	...	168	...	...
	Germany	55	...	...	231	...	...
100" in width and over	United States	268	...	...	5,912	44	3.8
	United Kingdom	...	...	...	1,666	...	...
	Belgium	...	...	...	12	...	...
	Japan	...	...	...	8	...	...
Flanged, dished or curved	United States	133	...	1.2	2,175	...	57.7
	United Kingdom	...	...	...	36	...	...
Boiler, pulp-mill digesters	United States	194	...	...	3,316	...	...
	United Kingdom	...	...	...	1,567	...	...
	Belgium	...	...	...	30	...	...
	Japan	...	...	...	104	...	...
Chequered or surface pattern	United States	732	...	...	8,253	...	...
	United Kingdom	...	...	...	546	...	...
	Belgium	...	...	...	20	...	...
	Japan	...	...	...	16	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December, 1952 and Year to Date (Continued)

Commodity	Country of origin	December, 1952			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets -							
Silicon .075 or more	United States	...	2,147	...	...	19,383	...
	United Kingdom	...	...	...	...	1,077	...
Galvanized	United States	691	...	...	10,948	...	...
	United Kingdom	174	...	...	4,871	...	...
Hot rolled -							
18 gauge and heavier	United States	7,546	41	59.4	78,986	529	800.5
	Germany	...	...	...	985	...	...
	Belgium	11	...	...	1,756	...	...
	United Kingdom	536	...	49.1	6,171	...	310.1
	France	21	...	...	252	...	...
	Sweden	...	...	...	98	2	.5
	Japan	22	...	...	1,932	...	...
Lighter than 18 gauge	United States	84	7	6.0	2,954	80	246.4
	United Kingdom	...	...	8.8	459	...	46.7
	Sweden	...	...	...	...	...	14.2
For cold rolling	United States	...	...	...	43	...	...
For hollow ware (vitreous enamel) .	United States	133	...	...	2,895	...	...
	United Kingdom	...	...	...	53	...	...
Corrugated	United States	756	...	...	5,942	...	...
	United Kingdom	...	...	...	140	...	...
	Germany	8	...	...	8	...	...
Coated with paint, tar, asphaltum, etc.	United States	7	...	...	337	...	...
For saws	United States	1	75	...	141	628	...
	United Kingdom	...	...	...	4	19	...
	Sweden	...	...	...	...	1	...
For tubes	United States	...	...	...	567	...	...
For motor vehicles	United States	315	...	...	1,966	...	...
Cold rolled -							
18 gauge and heavier	United States	1,816	...	89.6	23,303	84	928.4
	United Kingdom	...	...	...	652	...	22.4
Lighter than 18 gauge	United States	2,579	...	94.7	27,904	86	1,032.9
	United Kingdom	6	...	1.6	1,818	...	56.0
	Belgium	...	...	...	25	...	...
For hollow ware (vitreous enamel) .	United States	337	...	...	3,451	...	...
	United Kingdom	129	...	...	1,033	...	...
Black plate - Tin mill	United States	...	...	...	166	...	...
Coated with paint, tar, asphaltum, etc.	United States	104	...	...	646	...	...
For heating apparatus	United States	...	...	...	247	1	...
For saws	United States	...	...	...	7	3	...
	Sweden	...	...	...	4	3	...
For tubes	United States	...	...	...	4,066	16	...
For motor vehicles	United States	37	...	...	106	...	...
Tin plate - Primes	United Kingdom	41	...	...	519	...	...
	United States	...	...	...	37	...	...
Electrolytic 25#	United States	...	...	...	520	...	...
	United Kingdom	...	...	...	3	...	...
Electrolytic 50#	United States	43	...	...	43	...	...
Terne plate - Long	United States	731	...	...	5,597	...	...
	United Kingdom	...	...	...	28	...	...
Short	United States	205	...	...	1,698	...	...
	United Kingdom	...	...	...	14	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December, 1952 and Year to Date (Continued)

Commodity	Country of origin	December, 1952			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip -							
Hot rolled -							
18 gauge and heavier	United States	2,078	20	16.8	26,130	149	61.6
	United Kingdom	...	...	...	342	...	...
	Belgium	11	...	...	567	...	...
	France	...	...	...	11	...	...
Lighter than 18 gauge	United States	112	...	.6	1,061	110	107.3
	United Kingdom	...	...	...	11	1	..
	Belgium	...	...	...	6	...	...
For cold rolling	United States	470	...	...	2,197	...	...
	United Kingdom	...	...	...	20	...	...
Painted	United States	30	...	...	47	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...	125	...	...
	United Kingdom	...	...	...	27	...	...
For saws	United States	...	11	...	257	75	...
	United Kingdom	...	...	...	2	5	...
	Sweden	...	...	...	1	14	...
For motor vehicles	United States	2,296	...	...	15,610	...	...
	Belgium	...	...	...	39	...	...
For hoops	United States	215	...	...	1,103	...	...
	United Kingdom	3	...	...	179	...	...
	Belgium	...	...	...	55	...	...
For tubes	United States	37	...	...	2,247	3	...
	United Kingdom	...	...	...	...	14	...
For tubular products	United States	...	...	...	99	...	...
Silicon .075 or more	United States	...	250	...	...	1,692	...
Cold rolled -							
18 gauge and heavier	United States	340	5	23.2	4,964	153	448.0
	United Kingdom	...	...	...	117	...	...
	Sweden	...	...	...	83	...	...
	Germany	...	...	...	13	...	...
Lighter than 18 gauge	United States	571	2	121.2	5,848	520	785.9
	Sweden	86	...	...	616	22	1.9
	United Kingdom	13	...	...	206	...	1.2
	Germany	...	...	...	4	18	...
Painted	United States	440	...	...	6,865	...	...
	Germany	...	...	...	23	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	73	...	...	166	...	...
	United Kingdom	...	...	...	81	...	...
For saws	United States	45	21	...	113	202	...
	Sweden	3	4	...	31	85	...
For tubes	United States	59	...	...	3,893	38	...
For tubular products	United States	55	...	...	1,922	...	...
For butt hinges	United States	12	...	...	2,660	...	...
	United Kingdom	...	...	...	62	...	...
	Sweden	...	...	...	8	...	...
For hoops	United States	...	...	...	68	...	...
	United Kingdom	...	...	...	27	...	...
For motor vehicles	United States	...	...	...	33	...	...
Galvanized strip	United States	406	...	...	4,883	...	...
	United Kingdom	...	...	...	387	...	...
	Germany	1	...	...	36	...	...
	Belgium	3	...	...	17	...	...
Skelp -							
15-3/8" in width	United States	9,199	...	...	88,848	...	...
	France	...	...	...	2,085	...	...
	Belgium	...	...	...	14,347	...	...
	United Kingdom	...	...	...	2,942	...	...
	Germany	...	...	...	325	...	...
Over 15-3/8" in width	United States	558	...	...	3,619	...	...
Plate	United States	222	...	...	24,342	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December, 1952 and Year to Date (Continued)

Commodity		Country of origin	December, 1952			Year to date		
			Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)								
Pipes and tubes -								
Cast	United States	159	...	...	956	...	...
	United Kingdom	1,001	...	...	13,752	...	...
	Germany	...	...	...	46	...	...
	Sweden	...	...	...	12	...	...
	France	...	...	...	12	...	...
Bedstead	United States	46	...	...	162	...	...
	United Kingdom	...	...	...	8	...	...
	Holland	...	...	...	1	...	...
Repair of pressure parts of boilers -								
Hot finished	United States	692	...	10.2	7,016	137	85.6	
	United Kingdom	58	...	...	2,957	...	21.5
	Sweden	...	...	...	23	...	...
	France	...	...	...	38	...	...
Cold drawn	United States	13	2	...	1,754	69	16.0	
	United Kingdom	31	...	...	1,507	6	1.4
	Sweden	27	...	...	31	...	...
Welded	United States	426	...	...	3,153	...	3.1
	United Kingdom	8	...	...	749	...	...
Seamless, 12" and under in diameter -								
Cold drawn	United States	373	309	29.5	5,096	1,496	384.6	
	United Kingdom	103	...	4.8	2,246	28	224.8	
	Sweden	2	...	...	112	156	.1
	Germany	...	...	...	119	...	...
	Belgium	...	...	...	2	...	...
	Japan	...	...	...	3	...	...
Hot finished	United States	948	215	8.6	12,316	1,339	135.2	
	United Kingdom	16	...	...	14,430	7	13.8
	Germany	...	...	...	57	...	...
	Sweden	65	...	...	77	67	...
	Japan	...	...	...	55	...	...
	Belgium	...	...	...	22	...	...
Seamless, over 12" in diameter -								
Hot finished	United States	302	43	...	3,119	141	3.0	
	United Kingdom	63	...	...	11,541	...	...
Welded, 4" and under in diameter	United States	334	...	40.1	4,210	26	168.5	
	United Kingdom	851	...	...	9,017	...	8.6
	Germany	...	...	...	96	...	...
	Belgium	...	...	...	32	...	...
Welded, over 4" in diameter	United States	7,069	...	.2	92,840	...	12.7
	United Kingdom	...	...	...	2,636	...	...
	Germany	...	...	...	78	...	...
	Belgium	...	...	...	13	...	...
Tubing -								
Not over $\frac{1}{8}$ " diameter, welded and coated	United States	45	...	...	583	...	...
	United Kingdom	...	...	...	1	...	...
Spiral welded	United States	256	...	...	2,736	...	...
Casings	United States	5,608	...	...	53,429	...	...
	United Kingdom	753	...	...	14,780	...	...
	Germany	264	...	...	1,734	...	...
	France	...	...	...	1,247	...	...
	Japan	500	...	...	2,022	...	...
	United States	679	...	5.0	6,386	22	109.2	
Fittings and couplings	United Kingdom	10	...	...	678	...	...
	Germany	...	...	...	31	...	...
	Sweden	...	...	...	1	...	...
	Switzerland	...	...	...	2	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December, 1952 and Year to Date (Continued)

Commodity	Country of origin	December, 1952			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire rope	United States	12	...	...	837	2	9.4
	United Kingdom	59	...	...	923	...	...
	Belgium	7	...	...	24	...	...
	Germany	...	...	...	187	...	...
	Holland	...	...	...	54	...	...
Wire for rope	United States	751	...	...	19,819	...	1.3
	United Kingdom	602	...	...	7,337	...	5.3
	Belgium	...	...	...	9	...	...
	West Germany	...	...	...	132	...	...
Wire - For corset laces, steels, etc..	United States	5	...	...	247	...	...
	United Kingdom	...	...	...	1	...	...
	For spring mattresses, etc. ...	United States	414	2,908	...
Wire cloth and netting	United Kingdom	27	...	...	39	...	...
	United States	4	...	...	750	...	3.5
	United Kingdom	...	...	...	78	...	...
Wire, coated	Belgium	...	...	...	127	...	...
	United States	22	3	1.5	1,402	3	1.7
	United Kingdom	...	...	...	137	...	...
Wire, all other	Germany	...	...	...	8	...	...
	Belgium	...	...	...	38	...	...
	United States	463	...	1.5	6,952	25	16.6
	United Kingdom	2	...	1.1	126	...	2.3
	Germany	3	...	...	75	...	.4
	Italy	...	...	...	19	...	...
	Sweden	...	...	...	27	4	...
Wire rods, not over 3/8" in diameter .	Belgium	28	...	...	460	...	...
	France	...	...	...	61	...	...
	United States	225	1	...	2,223	2	...
	Belgium	321	...	...	2,409	...	...
	Germany	...	...	...	696	...	...
Welding wire and welding rods	United Kingdom	3	...	...	225	...	...
	United States	471	10	...	2,909	303	52.3
	Belgium	...	...	...	157	...	...
	Japan	...	...	...	88	...	...
	United Kingdom	...	...	...	1	1	...
Castings -							
For agricultural implements	United States	152	...	...	2,273	38	...
For ingot moulds	United States	3,285	...	...	27,285	...	...
	United Kingdom	261	...	...	1,518	...	...
Malleable	United States	22	...	...	1,220	...	...
	United Kingdom	...	...	...	7	...	...
Non-malleable	United States	76	...	...	507	...	...
Steel	United States	33	...	...	509	270	1.2
	Germany	...	...	...	1	...	...
	United Kingdom	24	...	...	85	...	...
	France	104	...	...	369	...	...
	Norway	...	...	...	191	...	...
	Belgium	40	...	...	166	...	...
For railway vehicles	United States	3	...	...	196	...	...
	United Kingdom	...	...	...	37	...	...
Rolls	United States	171	32	...	3,019	1,042	...
	United Kingdom	...	...	...	66	166	...
	Germany	...	...	...	1	...	...
	France	...	...	...	86	...	...
Piston rings (rough)	United States	36	...	...	220	...	...
	France	...	...	...	43	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December, 1952 and Year to Date (Concluded)

Table 14 - Imports of Primary Forms of Iron and Steel, December, 1952 and Year to Date (Continued)

Commodity	Country of origin	December, 1952			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Forgings	United States	100	3	...	1,472	343	1.6
	United Kingdom	...	33	...	1,885	63	...
	France	...	...	...	5	...	...
Wheels - For railway rolling stock	United States	12	...	...	147	...	...
	United Kingdom	734	...	...	12,345	...	...
Tires - For railway rolling stock	United States	22	...	...	167	...	...
	United Kingdom	7	...	...	4,423	...	...
Axles - For railway vehicles	United States	19	...	...	176	...	...
	United Kingdom	...	...	...	620	...	...
Rails -							
60 lb. and under	United States	42	...	...	2,326	...	...
	Belgium	25	...	...	732	...	...
	France	...	...	...	214	...	...
	Germany	...	...	...	33	...	...
Over 60 lb. and including 100 lb. ...	United States	121	...	...	2,714	...	...
	United Kingdom	...	...	...	311	...	...
Over 100 lb.	United States	...	...	...	2,039	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	40	...	...	2,902	...	...
	Belgium	1	...	...	155	...	...
	United Kingdom	...	...	...	909	...	...
	Germany	...	...	...	1	...	...
	France	...	...	...	61	...	...
Intersections, switches, frogs	United States	7	...	...	1,284	...	...
	France	...	...	...	4	...	...
	Belgium	...	...	...	3	...	...
Total Imports	United States	88,156	4,645	620.9	1,168,221	41,145	6,655.7
	All other	14,923	165	67.0	425,387	4,215	833.3
TOTAL		103,079	4,810	687.9	1,593,608	45,360	7,489.0

(★) Adjusting error in April recording.

(★★) Adjusting error in October recording.

Table 15 - Exports of Primary Iron and Steel, December, 1952 and Year to Date

	December		Year to date	
	(Tons of 2,000 pounds)			
Pig iron	34,536		375,987	
Ingots, blooms and billets	6,860		56,327	
Bars	3,314		30,053	
Rods	3		512	
Plates, sheets and strips	7,099		33,086	
Rails .....	...		2,595	
Structural shapes	893		6,562	
Pipe and tubing - Wrought iron ...	13		1,032	
Cast iron	56		1,228	
Galvanized	60		1,131	
Other	231		2,601	
Castings, iron and steel	1,212		14,681	
Forgings	1,389		9,502	
Total	55,666		535,297	

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PRIMARY IRON AND STEEL

JANUARY, 1953

Pig Iron - Production of pig iron in Canada amounted to 244,606 tons in January, 1953, compared with 209,153 tons in the corresponding month of last year. The total for the current month included 189,199 tons of basic iron, 22,834 tons of foundry iron and 32,573 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in January amounted to 15,671 tons, compared with 18,437 tons in the previous month and with 21,458 tons in January of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

The January, 1953 shipments of ferro-alloys amounted to 15,207 tons, including domestic shipments of 5,286 tons and export shipments of 9,921 tons.

Steel Ingots and Castings - Production of steel ingots and steel castings during January, 1953 totalled 346,648 tons, compared with 317,034 tons in January of last year. Output in the month under review included 339,215 tons of ingots and 7,433 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During January, 1952 and 1953

	January, 1952		January, 1953	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	162,105	20,632	189,199	2,622
Foundry	13,784	14,479	22,834	16,622
Malleable	33,264	31,730	32,573	23,103
Total Pig Iron	209,153	66,841	244,606	42,347
<u>Ferro-alloys</u>	21,458	21,341	15,671	15,207

(★) Includes amounts for sale and for own use.

Table 2 - Iron Blast Furnace Charges During January, 1952 and 1953

	1952	1953
	(Net tons of 2,000 pounds)	
Iron ore - Canadian	123,355	85,101
Imported	244,198	327,113
Mill cinder, scale, sinter, etc.	36,335	70,035
Limestone	87,126	81,246
Dolomite	9,771	28,749
Coke	196,695	230,654
Scrap iron and steel	5,080	8,263

Table 3 - Iron Blast Furnaces

Name of company	Location of furnaces	Number of stacks	Total annual capacity (★) (net tons)
Dominion Foundries & Steel Ltd.	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	3	595,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd.	Hamilton, Ontario	4	1,245,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
	Total	15	3,378,000

(★) As of January 1, 1953.

Table 4 - Description of Iron Blast Furnaces at End of January, 1953

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	13	3,213,700	95.1
Banked .....	...	...	...
Blown out	2	164,300	4.9
Total	15	3,378,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During January, 1952 and 1953

	January, 1952		January, 1953	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel Ingots</u>				
Open hearth - basic	255,088	25,530	299,624	6,811
Electric	50,633	7,754	39,591	3,006
Total Steel Ingots	305,721	33,284	339,215	9,817
Alloy steel ingots included in above ...	15,833	41	17,520	99
<u>Steel Castings</u>				
Open hearth - basic	2,974	2,649	1,829	1,406
Converter	1	...	59	44
Electric	8,338	6,422	5,545	4,151
Total Steel Castings	11,313	9,071	7,433	5,601
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	91	93	90	56
(b) High alloy, manganese and abrasion resistant	4,864	4,639	924	824
(c) All other alloys	247	287	858	202

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Pig Iron and Scrap Charged to Steel Furnaces During January, 1952 and 1953

	1952	1953
	(Net tons of 2,000 pounds)	
Pig iron	172,572	181,006
Scrap - Own make	84,378	93,892
Purchased	89,092	107,048

Table 7 - Steel Furnace Capacity at First of January, 1953

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,573,900
Electric	728,900
Total ingots	4,302,800
Steel castings	322,200
Total Ingots and Castings	4,625,000

Table 8 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1952 and 1953

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
<u>1 9 5 2</u>					
January	209,153	21,458	305,721	11,313	317,034
February	199,162	22,171	294,346	11,519	305,865
March	240,755	23,097	327,885	11,511	339,396
April	214,330	19,856	304,956	11,685	316,641
May	237,079	21,112	318,890	11,634	330,524
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	285,332	8,076	293,408
August	221,387	16,583	279,805	9,339	289,144
September	222,686	17,641	277,684	10,334	288,018
October	220,464	19,152	298,886	9,011	307,897
November	225,490	19,430	300,226	8,400	308,626
December	232,732	18,437	311,918	7,766	319,684
Total	2,682,065	232,036	3,599,655	122,037	3,721,692
<u>1 9 5 3</u>					
January	244,606	15,671	339,215	7,433	346,648

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 273,355 net tons in January, 1953, compared with 266,425 tons in January, 1952. The January, 1953 shipments included 19,568 tons of semi-finished shapes, 22,402 tons of structurals, 21,638 tons of plates, 17,880 tons of rails, 7,717 tons of tie plates and track material, 44,926 tons of hot rolled bars, 18,296 tons of pipes and tubes, 22,456 tons of wire rods, 33,973 tons of black sheets, 9,110 tons of galvanized sheets, 6,907 tons of castings, and 48,482 tons of other rolled products. The amount of producers' interchange was 140,104 tons in January, 1953, as against 158,686 tons in January, 1952.

Of the amounts shipped for sale during January, 42,948 tons went direct to railways and railway car shops; 11,002 tons went to pressing, forming and stamping plants; 27,607 tons to merchant trade products; 35,792 tons to building construction; 28,349 tons to the containers industry; 10,597 tons to agricultural equipment; 27,851 tons to the automotive industry; 14,234 tons to machinery plants; 3,491 tons to shipbuilding; 13,754 tons to mining, lumbering, etc., and 10,800 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 33,307 tons, and exports for 13,623 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 140,104 tons in January, 1953.

Table 9 - Production and Producers' Shipments of Primary Iron and Steel Shapes, January, 1953

	Production (Including producers' interchange)	Shipments For Producers' sale interchange	
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	15,786	9,784	4,572
Other semi-finished shapes, not for re-rolling by makers	26,809	8,587	23,764
Structural shapes and piling	21,502	22,402	...
Plates	21,128	21,576	...
Rails	19,976	17,880	...
Tie plates and track material: Splice bars	998	966	...
Tie plates	5,335	5,163	...
Spikes	1,645	1,588	...
Concrete reinforcing bars	13,316	12,370	...
Hot rolled bars for cold finishing	1,205	...	1,205

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 9 - Production and Producers' Shipments of Primary Iron and Steel Shapes, January, 1953 (Concluded)

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel (Concluded)</u>			
Other hot rolled bars	47,914	35,323	8,987
Pipes and tubes	20,690	18,296	...
Wire rods	23,337	22,376	53
Hot rolled black sheets	79,144	20,818	58,502
Cold reduced black sheets	20,080	13,155	6,207
Galvanized sheets	8,967	9,110	...
Steel castings	5,275	5,062	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	71,844	34,778	36,614
Total - Carbon Steel	404,951	259,234	139,904

<u>Alloy Steel</u>			
Billets, etc., for forging	731	1,197	...
Other semi-finished shapes, not for re-rolling by makers	139	...	139
Structural shapes and piling .....	...	...	...
Plates	92	62	...
Hot rolled bars for cold finishing	64	...	61
Other hot rolled bars	8,756	9,603	...
Pipes and tubes .....	...	...	...
Wire rods	79	80	...
Steel castings	1,938	1,845	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	1,372	1,334	...
Total - Alloy Steel	13,171	14,121	200

Table 10 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, January, 1953

	January, 1953	
	Carbon steel	Alloy steel
(Tons of 2,000 pounds)		
Automotive industries	18,548	9,303
Agricultural, including farm machinery ...	10,414	183
Building construction	35,719	73
Containers industry	28,340	9
Machinery and tools	13,625	609
Merchant trade products	27,241	366
Mining, lumbering, etc.	12,760	994
National defence	7,167	315
Pressing, forming and stamping	10,892	110
Public works and utilities	1,943	40
Railway operating	26,303	185
Railway cars and locomotives	16,340	120
Shipbuilding	3,410	81
Miscellaneous and unclassified	1,159	176
Wholesalers and warehouses	33,189	118
Direct export (a) to British Empire	6,990	93
(b) to other countries	5,194	1,346
Total Shipped for Sale	259,234	14,121
Producers' interchange	139,904	200

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1953

Commodity	Country of origin	January, 1953		
		Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)		
Pig iron -				
Silvery	United States	299	...	...
Malleable	United States	1,591	...	...
	France	110	...	...
Ingots	United States	48	...	...
Billets, blooms, slabs and sheet bars ..	United States	33	...	...
	United Kingdom	...	...	...
Tube rounds and tube billets	United States	635	...	1.9
	Belgium	...	...	...
	United Kingdom	...	...	...
Bars and sections -				
Hot rolled, n.o.p.	United States	3,868	1,411	1.2
	United Kingdom	181	93	1.1
	Belgium	133	...	...
	France	...	...	...
	Japan	...	...	...
	Germany	...	...	...
	Sweden	...	...	...
Hot rolled -				
For agricultural implements	United States	911	...	...
	United Kingdom	33	...	...
	Belgium	...	...	...
	France	...	...	...
Rounds over 4-7/8", squares over 4" .	United States	214	4	...
	United Kingdom	131	56	...
	France	24	...	...
Angles, channels, etc.	United States	1,163	...	14.2
	Belgium	40	...	...
	United Kingdom	3	...	...
	France	...	...	...
	Germany	...	...	...
	Japan	...	...	...
Structurals (bar sizes) for agricultural implements	United States	1,699	...	...
	United Kingdom	...	...	...
Sash or casement sections	United States	146	...	...
	Belgium	...	...	...
	Germany	...	...	...
Cold rolled, n.o.p.	United States	546	9	2.3
	United Kingdom	94	1	...
	Belgium	5	...	...
	Sweden	...	...	...
	Germany	...	...	...
	France	...	...	...
Cold rolled, for agricultural imple- ments	United States	583	...	...
	United Kingdom	...	...	...
	Belgium	...	...	...
Tool steel	United States	12	80	...
	United Kingdom	65	121	...
	Belgium	...	...	...
Structurals	United States	15,317	...	...
	United Kingdom	252	...	...
	Belgium	592	...	...
	France	174	...	...
	Germany	...	...	...
	Japan	...	...	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1953 (Continued)

Commodity	Country of origin	January, 1953		
		Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)		
Plates -				
78" and under in width	United States	5,734	12	46.4
	United Kingdom	264	...	...
	France	...	...	...
	Germany	39	...	...
	Japan	529	...	...
	Belgium	33	...	...
	Austria	...	...	...
	Italy	...	...	...
Over 78" and under 100" in width	United States	2,832	...	...
	United Kingdom	420	...	...
	Belgium	...	...	...
	France	...	...	...
	Japan	...	...	...
	Austria	...	...	...
	Germany	...	...	...
100" in width and over	United States	343	...	...
	United Kingdom	13	...	...
	Belgium	...	...	...
	Japan	...	...	...
Flanged, dished or curved	United States	155	...	.1
	United Kingdom	...	...	...
Boiler, pulp-mill digesters	United States	365	...	...
	United Kingdom	...	...	...
	Belgium	...	...	...
	Japan	...	...	...
Chequered or surface pattern	United States	1,045	...	...
	United Kingdom	114	...	...
	Belgium	...	...	...
Sheets -				
Silicon .075 or more	United States	...	1,920	...
	United Kingdom	...	100	...
Strip - Silicon .075 or more	United States	...	560	...
Sheets - Galvanized	United States	1,092	...	...
	United Kingdom	99	...	...
Hot rolled -				
18 gauge and heavier	United States	6,302	31	45.9
	Germany	...	...	...
	Belgium	...	...	...
	United Kingdom	1,085	...	5.7
	France	...	...	...
	Sweden	...	...	...
	Japan	...	...	...
Lighter than 18 gauge	United States	99	1	16.4
	United Kingdom	...	...	1.5
For cold rolling	United States	...	...	...
For hollow ware (vitreous enamel) ...	United States	761	...	...
	United Kingdom	856	...	...
Corrugated	United States	363	...	...
	United Kingdom	...	...	...
Coated with paint, tar, asphaltum, etc.	United States	235	...	...
For saws	United States	...	40	...
	United Kingdom	...	4	...
	Sweden	...	1	...
For motor vehicles	United States	660	...	...
Cold rolled -				
18 gauge and heavier	United States	1,794	...	66.5
	United Kingdom	15	...	36.4

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1953 (Continued)

Commodity	Country of origin	January, 1953		
		Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)		
Sheets (Concluded) -				
Cold rolled (Concluded) -				
Lighter than 18 gauge	United States	2,286	...	130.0
	United Kingdom	284	...	3.3
	Belgium	...	...	...
For hollow ware (vitreous enamel) ..	United States	...	...	...
	United Kingdom	...	...	...
Black plate - Tin mill	United States	...	...	...
Coated with paint, tar, asphaltum, etc.	United States	...	...	...
For heating apparatus	United States	...	...	...
For saws	United States	...	...	...
	Sweden	...	...	...
For tubes	United States	...	...	...
Tin plate - Primes	United Kingdom	7	...	...
	United States	4	...	...
Electrolytic 25#	United States	...	...	...
	United Kingdom	...	...	...
Terne plate - Long	United States	652	...	...
	United Kingdom	...	...	...
Short	United States	235	...	...
	United Kingdom	...	...	...
Strip -				
Hot rolled -				
18 gauge and heavier	United States	1,734	52	.3
	United Kingdom	...	...	...
	Belgium	6	...	...
	France	...	...	...
Lighter than 18 gauge	United States	15	1	...
	United Kingdom	...	...	...
	Belgium	...	...	...
For cold rolling	United States	111	...	...
	United Kingdom	...	...	...
Painted	United States	...	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...
	United Kingdom	...	...	...
For saws	United States	10	32	...
	United Kingdom	...	5	...
	Sweden	...	...	...
For motor vehicles	United States	...	...	...
For hoops	United States	...	...	...
	United Kingdom	...	...	...
	Belgium	...	...	...
For tubes	United States	...	...	...
	United Kingdom	...	...	...
For tubular products	United States	...	...	...
Cold rolled -				
18 gauge and heavier	United States	597	4	20.2
	United Kingdom	2	...	...
	Sweden	1	...	...
	Germany	...	...	...
Lighter than 18 gauge	United States	336	3	86.4
	Sweden	38	...	.7
	United Kingdom	...	...	...
	Germany	...	...	...
Painted	United States	550	...	...
	Germany	18	...	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1953 (Continued)

Table 11 - Imports of primary forms of iron and steel, January, 1953 (Continued)				
Commodity	Country of origin	January, 1953		
		Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)				
Strip (Concluded) -				
Cold rolled (Concluded) -				
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...
	United Kingdom	...	...	...
For saws	United States	16	3	...
	Sweden	1	9	...
For tubes	United States	391	...	...
For tubular products	United States	86	...	...
For butt hinges	United States	227	...	...
	United Kingdom	...	...	...
	Sweden	...	...	...
For hoops	United States	230	...	...
	United Kingdom	83	...	...
For motor vehicles	United States	1,682	...	...
Galvanized strip	United States	440	...	...
	United Kingdom	33	...	...
	Germany	...	...	...
	Belgium	...	...	...
Skelp -				
15-3/8" in width	United States	9,999	...	...
	France	...	...	...
	Belgium	...	...	...
	United Kingdom	...	...	...
	Germany	7	...	...
Over 15-3/8" in width	United States	745	...	...
Plate	United States	204	...	...
Pipes and tubes -				
Cast	United States	150	...	...
	United Kingdom	1,363	...	...
	Germany	...	...	...
Bedstead	United States	1	...	...
	United Kingdom	1	...	...
Repair of pressure parts of boilers -				
Hot finished	United States	781	46	26.1
	United Kingdom	70	...	...
	Sweden	...	...	...
Cold drawn	United States	41	11	.2
	United Kingdom	...	...	.2
	Sweden	...	...	...
Welded	United States	342	...	...
	United Kingdom	90	...	...
Seamless, 12" and under in diameter -				
Cold drawn	United States	245	155	36.8
	United Kingdom	217	...	10.8
	Sweden	...	...	...
	Germany	...	...	...
	Belgium	...	...	...
	Japan	...	...	...
Hot finished	United States	1,317	347	20.1
	United Kingdom	875	...	...
	Germany	...	...	...
	Sweden	...	84	...
Seamless, over 12" in diameter -				
Hot finished	United States	492	...	2.9
	United Kingdom	577	...	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1953 (Continued)

Commodity	Country of origin	January, 1953		
		Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)		
Pipes and tubes (Concluded) -				
Seamless, over 12" in diameter (Concluded) -				
Welded, 4" and under in diameter	United States	337	...	13.6
	United Kingdom	422	...	...
	Belgium	55	...	...
Welded, over 4" in diameter	United States	9,946	...	4.6
	United Kingdom	112	...	...
	Germany	...	...	...
	Belgium	...	...	...
Tubing -				
Not over 1/2" diameter, welded and coated	United States	21	...	...
Spiral welded	United States	5	...	...
Conduit	United States	220	...	...
Casings	United States	6,645	...	...
	United Kingdom	501	...	...
	Germany	221	...	...
	Japan	268	...	...
Fittings and couplings	United States	394	...	3.1
	United Kingdom	23	...	...
	Germany	21	...	...
	Japan	7	...	...
Wire rope				
	United States	9	...	...
	United Kingdom	76	...	...
	Belgium	21	...	...
	Germany	22	...	...
	Holland	...	...	...
Wire for rope	United States	642	...	.4
	United Kingdom	989	...	...
	Belgium	...	...	...
	West Germany	5	...	...
Wire - For corset laces, steels, etc. ..	United States	7	...	...
	United Kingdom	...	...	...
For spring mattresses, etc.	United States	451	...	...
	United Kingdom	68	...	...
Wire cloth and netting	United States	...	...	...
	United Kingdom	...	...	...
	Belgium	...	...	...
Wire, coated	United States	8	...	...
	United Kingdom	...	...	...
	Germany	...	...	...
	Belgium	...	...	...
Wire, all other	United States	369	...	1.3
	United Kingdom	2	...	...
	Germany	...	...	...
	Italy	...	...	...
	Sweden	...	...	...
	Belgium	...	...	...
	France	...	...	...
Wire rods, not over 3/8" in diameter ...	United States	432	...	...
	Belgium	...	...	...
	Germany	...	...	...
Welding wire and welding rods	United States	565	6	...
	Belgium	...	...	...
	Japan	...	...	...
	United Kingdom	...	...	...

Table 11 - Imports of Primary Forms of Iron and Steel, January, 1953 (Concluded)

Commodity	Country of origin	January, 1953		
		Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)		
Castings -				
For agricultural implements	United States	86	...	...
For ingot moulds	United States	4,577	...	...
	United Kingdom	272	...	...
Malleable	United States	59	...	...
	United Kingdom	...	...	...
Non-malleable	United States	78	...	...
Steel	United States	7	7	...
	Germany	...	...	...
	United Kingdom	4	...	...
	France	21	...	...
	Norway	99	...	...
	Belgium	...	...	...
For railway vehicles	United States	2	...	...
	United Kingdom	...	...	...
Rolls	United States	542	1	...
	United Kingdom	...	...	...
	Germany	...	...	...
	France	...	...	...
Piston rings (rough)	United States	16	...	...
Forgings	United States	80	14	1.7
	United Kingdom	8	...	...
	France	...	...	...
Wheels - For railway rolling stock	United States	36	...	...
	United Kingdom	66	...	...
Tires - For railway rolling stock	United States	1	...	...
	United Kingdom	...	...	...
Axles - For railway vehicles	United States	...	...	...
	United Kingdom	...	...	...
Rails -				
60 lb. and under	United States	162	...	...
	Belgium	234	...	...
	United Kingdom	53	...	...
	Germany	...	...	...
Over 60 lb. and including 100 lb.	United States	241	...	...
Over 100 lb.	United States	36	...	...
Track material -				
Angles, bars, tie plates, rail joints .	United States	106	...	...
	Belgium	8	...	...
	United Kingdom	2	...	...
	Germany	...	...	...
Intersections, switches, frogs	United States	14	...	...
	France	...	...	...
	Belgium	1	...	...
Total Imports	United States	98,858	4,751	542.6
	All other	12,558	474	59.7
TOTAL		111,416	5,225	602.3

Table 12 - Exports of Primary Iron and Steel, January, 1953

	January, 1953
	(Tons of 2,000 pounds)
Pig iron	8,569
Ingots, blooms and billets'	19,794
Bars	2,757
Rods	14
Plates, sheets and strips	9,952
nails .....	...
Structural shapes	906
Pipe and tubing - Wrought iron .....	...
Cast iron	54
Galvanized
Other	120
Castings, iron and steel	1,933
Forgings	1,598
Total	45,697



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PRIMARY IRON AND STEELFEBRUARY - 1953

Pig Iron - Production of pig iron in Canada amounted to 225,182 tons in February compared with 199,162 tons in the corresponding month of last year. The total for the current month included 182,054 tons of basic iron, 19,185 tons of foundry iron and 23,943 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in February amounted to 16,017 tons, compared with 15,671 tons in the previous month and with 22,171 tons in February of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferro-phosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during February totalled 326,063 tons, compared with 305,865 tons in February of last year. Output in the month under review included 316,741 tons of ingots and 9,322 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During February, 1952 and 1953

	February, 1952		February, 1953	
	Tonnage made (★)	Tonnage shipped(+)	Tonnage made (★)	Tonnage shipped(+)
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	150,155	9,701	182,054	3,615
Foundry	24,457	21,765	19,185	7,556
Malleable	24,550	23,488	23,943	24,533
Total pig iron	199,162	54,954	225,182	35,704
Ferro-alloys	22,171	21,864	16,017	14,327

(★) Includes amounts for sale and for own use.

(+) Includes domestic and export shipments.

Table 2 - Cumulative Production and Shipments for the Two Months Ended February, 1952 and 1953

	1 9 5 2		1 9 5 3	
	Tonnage made (★)	Tonnage shipped(+)	Tonnage made (★)	Tonnage shipped(+)
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	312,260	30,333	371,253	6,237
Foundry	38,241	36,244	42,019	24,178
Malleable	57,814	55,218	56,516	47,636
Total pig iron	408,315	121,795	469,788	78,051
Ferro-alloys	43,629	43,205	31,688	29,534

(★) Includes amounts for sale and for own use.

(+) Includes domestic and export shipments.

Table 3 - Iron Blast Furnace Charges During February and Two Months Ended February, 1952 and 1953

	February 1952	February 1953	Two months ended February	
			1952	1953
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	112,368	103,263	235,723	188,364
Imported	244,774	278,769	488,972	605,882
Mill cinder, scale, sinter, etc.	31,121	50,730	67,456	120,765
Limestone	79,861	74,410	166,987	156,656
Dolomite	14,481	24,067	24,252	52,816
Coke	189,024	211,459	385,719	442,113
Scrap iron and steel	5,754	7,710	10,834	15,973

Table 4 - Description of Iron Blast Furnaces at End of February, 1953

Condition of furnace	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	13	3,264,100	96.6
Banked .....	...	...	...
Blown out	2	113,900	3.4
Total	15	3,378,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During February, 1952 and 1953

	February, 1952		February, 1953	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	243,412	15,111	278,139	7,296
Electric	50,934	7,679	38,602	3,056
Total steel ingots	294,346	22,790	316,741	10,352
Alloy steel ingots included in above	16,825	...	16,683	14
<u>Steel Castings</u>				
Open hearth - basic	3,263	3,065	2,985	2,613
Converter	1	...	44	28
Electric	8,255	6,019	6,293	4,739
Total steel castings	11,519	9,084	9,322	7,380
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	120	110	85	62
(b) High alloy, manganese and abrasion resistant	1,413	967	1,242	1,018
(c) All other alloys	837	301	883	217

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Two Months Ended February, 1952 and 1953

	1 9 5 2		1 9 5 3	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	498,500	40,641	577,763	14,107
Electric	101,567	15,433	78,193	6,062
Total steel ingots	600,067	56,074	655,956	20,169
Alloy steel ingots included in above	32,658	41	34,203	113
<u>Steel Castings</u>				
Open hearth - basic	6,237	5,714	4,814	4,019
Converter	2	...	103	72
Electric	16,593	12,441	11,838	8,890
Total steel castings	22,832	18,155	16,755	12,981
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	211	203	175	118
(b) High alloy, manganese and abrasion resistant	6,277	5,606	2,166	1,842
(c) All other alloys	1,084	588	1,741	419

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces During February, 1952 and 1953, and Two Months Ended February, 1953

	1 9 5 2	1 9 5 3	Two months ended February, 1953
	(Net tons of 2,000 pounds)		
Pig iron	165,827	178,200	359,206
Scrap - Own make	81,366	80,734	174,626
Purchased	86,055	99,210	206,258

Table 8 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1952 and 1953

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
<u>1 9 5 2</u>			(Net tons of 2,000 pounds)		
January	209,153	21,458	305,721	11,313	317,034
February	199,162	22,171	294,346	11,519	305,865
March	240,755	23,097	327,885	11,511	339,396
April	214,330	19,856	304,956	11,685	316,641
May	237,079	21,112	318,890	11,634	330,524
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	285,332	8,076	293,408
August	221,387	16,583	279,805	9,339	289,144
September	222,686	17,641	277,684	10,334	288,018
October	220,464	19,152	298,886	9,011	307,897
November	225,490	19,430	300,226	8,400	308,626
December	232,732	18,437	311,918	7,766	319,684
Total	2,682,065	232,036	3,599,655	122,037	3,721,692
<u>1 9 5 3</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
Total two months ...	469,788	31,688	655,956	16,755	672,711

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 226,236 net tons in February, 1953, compared with 261,814 tons in February, 1952. The February, 1953 shipments included 19,188 tons of semi-finished shapes, 13,199 tons of structurals, 21,524 tons of plates, 10,746 tons of rails, 5,734 tons of tie plates and track material, 42,260 tons of hot rolled bars, 17,108 tons of pipes and tubes, 15,520 tons of wire rods, 26,144 tons of black sheets, 9,482 tons of galvanized sheets, 8,144 tons of castings and 37,187 tons of other rolled products. The amount of producers' interchange was 105,971 tons in February, 1953, as against 148,834 tons in February, 1952.

Of the amounts shipped for sale during February, 36,162 tons went direct to railways and railway car shops; 10,540 tons went to pressing, forming and stamping plants; 22,611 tons to merchant trade products; 31,679 tons to building construction; 17,968 tons to the containers industry; 9,207 tons to agricultural equipment; 17,754 tons to the automotive industry; 15,241 tons to machinery plants; 3,495 tons to shipbuilding; 8,347 tons to mining, lumbering, etc., and 8,190 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 30,515 tons, and exports for 14,527 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 105,971 tons in February, 1953.

Table 9 - Production and Producers' Shipments of Primary Iron and Steel Shapes, February, 1953

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	11,560	11,333	1,619
Other semi-finished shapes, not for re-rolling by makers	33,135	7,544	11,921
Structural shapes and piling	10,041	13,199	...
Plates	20,503	21,435	...
Rails	9,838	10,746	...
Tie plates and track material: Splice bars	863	985	...
Tie plates	3,117	3,342	...
Spikes	1,432	1,407	...
Concrete reinforcing bars	13,896	10,393	...
Hot rolled bars for cold finishing	1,329	...	1,522
Other hot rolled bars	43,504	36,715	5,661
Pipes and tubes	22,984	17,108	...
Wire rods	15,292	15,496	59
Hot rolled black sheets	61,587	14,386	45,822
Cold reduced black sheets	17,247	11,758	6,566
Galvanized sheets	9,914	9,482	33
Steel castings	6,792	6,117	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	65,118	25,305	31,990
Total carbon steel	348,152	216,751	105,193
<u>Alloy Steel</u>			
Billets, etc., for forging	748	311	...
Other semi-finished shapes, not for re-rolling by makers	778	...	778
Structural shapes and piling .....	...	...	...
Plates	74	89	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,572	5,545	...
Pipes and tubes .....	...	...	...
Wire rods	41	24	...
Steel castings	2,358	2,027	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	1,507	1,489	...
Total alloy steel	12,078	9,485	778

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Two Months Ended February, 1953

	Production (Including producers' interchange)	Shipments For Producers' sale interchange	
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	27,346	21,117	6,191
Other semi-finished shapes, not for re-rolling by makers	59,944	16,131	35,685
Structural shapes and piling	31,543	35,601	...
Plates	41,631	43,011	...
Rails	29,814	28,626	...
Tie plates and track material: Splice bars	1,861	1,951	...
Tie plates	8,452	8,505	...
Spikes	3,077	2,995	...
Concrete reinforcing bars	27,212	22,763	...
Hot rolled bars for cold finishing	2,534	...	2,727
Other hot rolled bars	91,418	72,038	14,648
Pipes and tubes	43,674	35,404	...

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Two Months Ended February, 1953 (Concluded)

	February, 1933	(Concluded)	S h i p m e n t s	
		P r o d u c t i o n	For	Producers'
		(Including producers'	sale	interchange
		interchange)		
Carbon Steel (Concluded)		(Tons of 2,000 pounds)		
Wire rods	38,629	37,872	112	
Hot rolled black sheets	140,731	35,204	104,324	
Cold reduced black sheets	37,327	24,913	12,773	
Galvanized sheets	18,881	18,592	33	
Steel castings	12,067	11,179	...	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	136,962	60,083	68,604	
Total carbon steel	753,103	475,985	245,097	

Alloy Steel

Billets, etc., for forging	1,479	1,508	...
Other semi-finished shapes, not for re-rolling by makers	917	...	917
Structural shapes and piling .....	...	...	...
Plates	166	151	...
Hot rolled bars for cold finishing	64	...	61
Other hot rolled bars	15,328	15,148	...
Pipes and tubes .....	...	...	...
Wire rods	120	104	...
Steel castings	4,296	3,872	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	2,879	2,823	...
Total alloy steel	25,249	23,606	978

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 11 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, February, 1953 and Year to Date

	February, 1953		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	13,060	4,694	31,608	13,997
Agricultural, including farm machinery ...	9,106	101	19,520	284
Building construction	31,650	29	67,369	102
Containers industry	17,957	11	46,297	20
Machinery and tools	14,547	694	28,172	1,303
Merchant trade products	22,371	240	49,612	606
Mining, lumbering, etc.	7,425	922	20,185	1,916
National defence	5,433	384	12,600	699
Pressing, forming and stamping	10,458	82	21,350	192
Public works and utilities	1,376	38	3,319	78
Railway operating	21,864	732	48,167	917
Railway cars and locomotives	13,449	117	29,789	237
Shipbuilding	3,389	106	6,799	187
Miscellaneous and unclassified	751	208	1,910	384
Wholesalers and warehouses	30,383	132	63,572	250
Direct export (a) to British Empire	7,191	169	14,181	262
(b) to other countries	6,341	826	11,535	2,172
Total shipped for sale	216,751	9,485	475,985	23,606
Producers' interchange	105,193	778	245,097	978

Table 12 - Imports of Primary Forms of Iron and Steel, February, 1953 and Year to Date

Table 12 - Imports of Primary Forms of Iron and Steel, February, 1953 and Year to Date		February, 1953			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Foundry	United States	955	...	...	955	...	...
Malleable	United States	589	...	...	2,180	...	...
	France	...	...	...	110	...	...
Silvery	United States	58	...	...	357	...	...
Ingots	United States	47	54	...	95	54	...
Billets, blooms, slabs and sheet bars ...	United States	7	...	...	40	1	...
Tube rounds and tube billets	United States	494	...	...	1,129	...	1.9
Bars and sections -							
Hot rolled, n.o.p.	United States	3,321	260	9.2	7,189	1,671	10.4
	United Kingdom	103	18	1.6	284	111	2.7
	Belgium	236	...	...	369	...	...
Hot rolled -							
For agricultural implements	United States	815	...	...	1,726	...	...
	United Kingdom	...	...	...	33	...	...
Rounds over 4-7/8", squares over 4" .	United States	84	2	...	298	6	...
	United Kingdom	101	4	...	232	60	...
	France	...	...	...	24	...	...
Angles, channels, etc.	United States	1,474	...	11.5	2,637	...	25.7
	Belgium	67	...	...	107	...	...
	United Kingdom	9	...	.1	12	...	.1
Structurals (bar sizes) for agricultural implements	United States	648	...	...	2,347	...	...
Sash or casement sections	United States	376	...	...	522	...	...
	Belgium	68	...	...	68	...	...
Cold finished, n.o.p.	United States	877	10	5.3	1,423	19	7.6
	United Kingdom	71	28	.8	165	29	.8
	Belgium	...	...	...	5	...	...
Cold finished for agricultural implements	United States	296	...	...	879	...	...
Tool steel	United States	111	47	...	123	127	...
	United Kingdom	16	45	...	81	166	...
Structurals	United States	14,412	...	...	29,729	...	...
	United Kingdom	484	...	...	736	...	...
	Belgium	628	...	...	1,220	...	...
	France	13	...	...	187	...	...
Plates -							
78" and under in width	United States	5,892	151	68.2	11,626	163	114.6
	United Kingdom	945	...	.3	1,209	...	.3
	Germany	...	...	...	39	...	...
	Japan	421	...	...	950	...	...
	Belgium	...	...	...	33	...	...
Over 78" and under 100" in width	United States	4,942	...	8.7	7,774	...	8.7
	United Kingdom	1,048	...	...	1,468	...	...
100" in width and over	United States	417	...	27.2	760	...	27.2
	United Kingdom	25	...	...	38	...	...
Flanged, dished or curved	United States	62	...	4.3	217	...	4.4
Boiler, pulp-mill digesters	United States	257	...	...	622	...	...
Chequered or surface pattern	United States	1,145	...	...	2,190	...	...
	United Kingdom	...	...	...	114	...	...

Table 12 - Imports of Primary Forms of Iron and Steel, February, 1953 and Year to Date (Continued)

Commodity	Country of origin	February, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets -							
Silicon .075 or more	United States	...	2,467	...	...	4,387	...
	United Kingdom	...	18	...	...	118	...
Galvanized	United States	1,063	...	...	2,155	...	...
	United Kingdom	5	...	...	104	...	...
Hot rolled -							
18 gauge and heavier	United States	5,023	15	27.3	11,325	46	73.2
	United Kingdom	437	...	24.8	1,522	...	30.5
Lighter than 18 gauge	United States	91	...	1.7	190	1	18.1
	United Kingdom	...	...	14.9	...	...	16.4
Cold rolled -							
18 gauge and heavier	United States	1,018	...	119.8	2,812	...	186.3
	United Kingdom	66	...	26.2	81	...	62.6
Lighter than 18 gauge	United States	2,473	...	161.8	4,759	...	291.8
	United Kingdom	526	...	46.0	810	...	49.3
For hollow ware (vitreous enamel)	United States	705	...	...	1,466	...	...
	United Kingdom	103	...	...	959	...	...
Corrugated	United States	906	...	...	1,269	...	...
	United Kingdom	4	...	...	4	...	...
Coated with paint, tar, asphaltum, etc.	United States	73	...	...	308	...	...
For saws	United States	7	57	...	7	97	...
	United Kingdom	5	...	...	5	4	...
	Sweden	...	...	...	...	1	...
For heating apparatus	United States	15	...	...	15	...	...
For tubes	United States	52	...	...	52	...	...
Black plate - Tin mill	United States	19	...	...	19	...	...
For motor vehicles	United States	321	...	...	981	...	...
Tin plate - Primes	United Kingdom	9	...	...	16	...	...
	United States	74	...	...	78	...	...
Electrolytic 25#	United States	380	...	...	380	...	...
Terne plate - Long	United States	398	...	...	1,050	...	...
Short	United States	325	...	...	560	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,409	16	.8	3,143	68	1.1
	Belgium	...	...	...	6	...	...
Lighter than 18 gauge	United States	...	...	...	15	1	...
Cold rolled -							
18 gauge and heavier	United States	191	14	40.7	788	18	60.9
	United Kingdom	...	...	...	2	...	...
	Sweden	...	...	...	1	...	...
Lighter than 18 gauge	United States	464	15	143.3	800	18	229.7
	Sweden	...	3	...	38	3	.7
For cold rolling	United States	266	...	...	377	...	...
Silicon	United States	...	263	...	...	823	...
For saws	United States	3	24	...	29	59	...
	United Kingdom	...	...	...	...	5	...
	Sweden	...	43	...	1	52	...
For motor vehicles	United States	1,612	...	...	3,294	...	...
For tubes	United States	122	...	...	513	...	...
For tubular products	United States	137	...	...	223	...	...
Coated with paint, tar, asphaltum	United States	469	...	...	1,019	...	...
	Germany	...	...	...	18	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	3	...	...	3	...	...
For butt hinges	United States	222	...	...	449	...	...
For hoops	United States	20	...	...	250	...	...
	United Kingdom	70	...	...	153	...	...
Galvanized	United States	474	...	...	914	...	...
	United Kingdom	...	...	...	33	...	...

Table 12 - Imports of Primary Forms of Iron and Steel, February, 1953 and Year to Date (Continued)

Commodity	Country of origin	February, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Skelp -							
15-3/8" in width	United States	6,360	...	...	16,359	...	...
	Germany	...	...	...	7	...	...
Over 15-3/8" in width	United States	758	...	...	1,503	...	...
Plate	United States	302	...	...	506	...	...
Pipes and tubes -							
Cast	United States	71	...	...	221	...	...
	United Kingdom	645	...	...	2,008	...	...
Bedstead	United States	36	...	...	37	...	...
	United Kingdom	...	...	...	1	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	317	...	3.2	1,098	46	29.3
	United Kingdom	136	...	...	206	...	...
Cold drawn	United States	45	25	9.9	86	36	10.1
	United Kingdom	3	...	...	3	...	.2
Welded	United States	236	...	...	578	...	...
	United Kingdom	59	...	...	149	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	419	330	71.9	664	485	108.7
	United Kingdom	91	...	11.6	308	...	22.4
	Germany	49	...	...	49	...	...
Hot finished	United States	1,466	1	16.2	2,783	348	36.3
	United Kingdom	1,016	...	.2	1,891	...	.2
	Sweden	...	...	...	...	84	...
Seamless, over 12" in diameter -							
Hot finished	United States	159	...	...	651	...	2.9
	United Kingdom	838	...	...	1,415	...	...
Welded, 4" and under in diameter ...	United States	355	...	18.1	692	...	31.7
	United Kingdom	1,322	...	...	1,744	...	...
	Belgium	14	...	...	69	...	...
Welded, over 4" in diameter	United States	7,500	...	7.1	17,446	...	11.7
	United Kingdom	109	...	...	221	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	55	...	...	76	...	...
Spiral welded	United States	76	...	...	81	...	...
Conduit	United States	173	...	...	393	...	...
Casings	United States	6,351	...	...	12,996	...	...
	United Kingdom	533	...	...	1,034	...	...
	Germany	608	...	...	829	...	...
	Japan	535	...	...	803	...	...
Fittings and couplings	United States	353	...	7.7	747	...	10.8
	United Kingdom	31	...	...	54	...	...
	Germany	...	...	...	21	...	...
	Japan	5	...	...	12	...	...
Wire rope							
	United States	46	...	...	55	...	...
	United Kingdom	48	...	...	124	...	...
	Belgium	...	...	...	21	...	...
	Germany	...	...	...	22	...	...
Wire for rope	United States	541	...	.7	1,183	...	1.1
	United Kingdom	577	...	...	1,566	...	...
	West Germany	...	...	...	5	...	...
Wire - For corset laces, steels, etc.	United States	17	...	...	24	...	...
For spring mattresses, etc.	United States	506	...	...	957	...	...
	United Kingdom	34	...	...	102	...	...
Wire, coated	United States	91	...	...	99	...	...
	United Kingdom	3	...	...	3	...	...

Table 12 - Imports of Primary Forms of Iron and Steel, February, 1953 and Year to Date (Concluded)

Commodity	Country of origin	February, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire, all other	United States	263	1	1.1	632	1	2.4
	United Kingdom	4	...	...	6	...	...
	Germany	1	...	...	1	...	...
	Sweden	3	1	...	3	1	...
Wire rods, not over 3/8" in diameter ..	United States	402	...	...	834	...	...
Welding wire and welding rods	United States	399	66	.2	964	72	.2
	United Kingdom	...	1	...	...	1	...
Castings -							
For agricultural implements	United States	54	...	...	140	...	...
For ingot moulds	United States	2,355	...	...	6,932	...	...
	United Kingdom	...	...	...	272	...	...
Malleable	United States	3	...	...	62	...	...
Non-malleable	United States	31	...	...	109	...	...
Steel	United States	53	1	...	60	8	...
	United Kingdom	...	...	...	4	...	...
	France	...	...	...	21	...	...
	Norway	49	...	...	148	...	...
For railway vehicles	United States	10	...	...	12	...	...
Rolls	United States	183	6	...	725	7	...
	United Kingdom	2	...	...	2	...	...
Piston rings (rough)	United States	19	...	...	35	...	...
Forgings							
	United States	25	31	...	105	45	1.7
	United Kingdom	65	...	...	73	...	...
Wheels for railway rolling stock	United States	99	...	...	135	...	...
	United Kingdom	473	...	...	539	...	...
Tires for railway rolling stock	United States	...	...	...	1	...	...
	United Kingdom	65	...	...	65	...	...
Axles for railway vehicles .....	...	...	...	...	...	...	...
Rails -							
60 lb. and under	United States	182	...	...	344	...	...
	Belgium	27	...	...	261	...	...
	United Kingdom	...	...	...	53	...	...
Over 60 lb. and including 100 lb. ...	United States	84	...	...	325	...	...
Over 100 lb.	United States	14	...	...	50	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	20	...	...	126	...	...
	Belgium	1	...	...	9	...	...
	United Kingdom	15	...	...	17	...	...
Intersections, switches, frogs	United States	3	...	...	17	...	...
	Belgium	...	...	...	1	...	...
Total imports	United States	86,046	3,856	765.9	184,904	8,607	1,308.5
	All other	12,821	161	126.5	25,379	635	186.2
TOTAL		98,867	4,017	892.4	210,283	9,242	1,494.7

Table 13 - Exports of Primary Iron and Steel, February, 1953 and Year to Date

	February, 1953		Year to date	
	(Tons of 2,000 pounds)			
Pig iron	435		9,004	
Ingots, blooms and billets	8,366		28,160	
Bars	2,312		5,069	
Rods	11		25	
Plates, sheets and strips	2,537		12,489	
Rails .....	...		...
Structural shapes	304		1,210	
Pipe and tubing - Wrought iron.	79		79	
Cast iron ...	...		54	
Galvanized	25		25	
Other	40		160	
Castings, iron and steel	698		2,631	
Forgings	1,712		3,310	
Total	16,519		62,216	



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PRIMARY IRON AND STEELMARCH - 1953

Pig Iron - Production of pig iron in Canada amounted to 238,572 tons in March, 1953, compared with 240,755 tons in the corresponding month of last year. The total for the current month included 195,243 tons of basic iron, 23,217 tons of foundry iron and 20,112 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in March, 1953, amounted to 17,680 tons, compared with 16,017 tons in the previous month and with 23,097 tons in March of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during March, 1953, totalled 366,974 tons, compared with 339,396 tons in March of last year. Output in the month under review included 356,890 tons of ingots and 10,084 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During March, 1952 and 1953

	March, 1952		March, 1953	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	182,937	9,512	195,243	5,445
Foundry	20,662	18,229	23,217	13,145
Malleable	37,156	32,758	20,112	23,025
Total pig iron	240,755	60,499	238,572	41,615
<u>Ferro-alloys</u>	23,097	21,864	17,680	14,357

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Three Months Ended March, 1952 and 1953

	1 9 5 2		1 9 5 3	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	495,197	39,845	566,496	11,682
Foundry	58,903	54,473	65,236	37,323
Malleable	94,970	87,976	76,628	70,661
Total pig iron	649,070	182,294	708,360	119,666
<u>Ferro-alloys</u>	66,726	66,425	49,368	43,891

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During March and Three Months Ended March, 1952 and 1953.

	M a r c h		Three months ended March	
	1 9 5 2	1 9 5 3	1 9 5 2	1 9 5 3
	(Net tons of 2,000 pounds)			
<u>Iron ore - Canadian</u>	134,605	109,268	370,328	297,632
Imported	305,391	301,935	794,363	907,817
Mill cinder, scale, sinter, etc.	33,185	55,579	100,641	176,344
Limestone	90,080	85,274	257,067	240,930
Dolomite	21,488	23,026	45,740	75,842
Coke	228,110	226,085	613,829	668,198
Scrap iron and steel	6,949	7,160	17,783	23,133

Table 4 - Description of Iron Blast Furnaces at End of March, 1953

Condition of furnace	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	12	2,967,700	87.8
Banked .....	...	...	...
Blown out	3	410,300	12.2
Total	15	3,378,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During March, 1952 and 1953

	March, 1952		March, 1953	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	272,824	10,595	310,662	20,184
Electric	55,061	7,495	46,228	3,388
Total steel ingots	327,885	18,090	356,890	23,572
Alloy steel ingots included in above	17,866	28	24,573	44
<u>Steel Castings</u>				
Open hearth - basic	3,030	2,853	2,811	2,444
Converter	33	20	48	28
Electric	8,448	6,134	7,225	5,375
Total steel castings	11,511	9,007	10,084	7,847
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	55	59	108	84
(b) High alloy, manganese and abrasion resistant	1,609	1,094	1,242	1,017
(c) All other alloys	1,169	513	897	178

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Three Months Ended March, 1952 and 1953

	1 9 5 2		1 9 5 3	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	771,324	51,236	888,425	34,291
Electric	156,628	22,928	124,421	9,450
Total steel ingots	927,952	74,164	1,012,846	43,741
Alloy steel ingots included in above	50,524	69	58,776	157
<u>Steel Castings</u>				
Open hearth - basic	9,267	8,567	7,625	6,463
Converter	35	20	151	100
Electric	25,041	18,575	19,063	14,265
Total steel castings	34,343	27,162	26,839	20,828
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	266	262	283	202
(b) High alloy, manganese and abrasion resistant	7,886	6,700	3,408	2,859
(c) All other alloys	2,253	1,101	2,638	597

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces During March and Three Months Ended March, 1952 and 1953

	March 1952	March 1953	Three months ended March, 1953
		(Net tons of 2,000 pounds)	
Pig iron	179,995	195,817	555,023
Scrap - Own make	91,960	99,038	273,664
Purchased	100,576	109,912	316,170

Table 8 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1952 and 1953

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
			(Net tons of 2,000 pounds)		
1 9 5 2					
January	209,153	21,458	305,721	11,313	317,034
February	199,162	22,171	294,346	11,519	305,865
March	240,755	23,097	327,885	11,511	339,396
Total three months	649,070	66,726	927,952	34,343	962,295
April	214,330	19,856	304,956	11,685	316,641
May	237,079	21,112	318,890	11,634	330,524
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	285,332	8,076	293,408
August	221,387	16,583	279,805	9,339	289,144
September	222,686	17,641	277,684	10,334	288,018
October	220,464	19,152	298,886	9,011	307,897
November	225,490	19,430	300,226	8,400	308,626
December	232,732	18,437	311,918	7,766	319,684
Total	2,682,065	232,036	3,599,655	122,037	3,721,692
1 9 5 3					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
Total three months	708,360	49,368	1,012,846	26,839	1,039,685

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 312,899 net tons in March, 1953, compared with 260,323 tons in March, 1952. The March shipments included 31,028 tons of semi-finished shapes, 15,701 tons of structurals, 23,327 tons of plates, 16,537 tons of rails, 5,925 tons of tie plates and track material, 57,571 tons of hot rolled bars, 26,900 tons of pipes and tubes, 23,904 tons of wire rods, 41,868 tons of black sheets, 10,264 tons of galvanized sheets, 9,388 tons of castings, and 50,486 tons of other rolled products. The amount of producers' interchange was 115,808 tons in March, 1953, as against 152,350 tons in March, 1952.

Of the amounts shipped for sale during March, 1953, 45,648 tons went direct to railways and railway car shops; 12,733 tons went to pressing, forming and stamping plants; 32,418 tons to merchant trade products; 32,222 tons to building construction; 30,001 tons to the containers industry; 13,044 tons to agricultural equipment; 37,633 tons to the automotive industry; 16,662 tons to machinery plants; 4,848 tons to shipbuilding; 16,153 tons to mining, lumbering, etc., and 8,450 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 33,528 tons, and exports for 29,559 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 115,808 tons in March, 1953.

Table 9 - Production and Producers' Shipments of Primary Iron and Steel Shapes, March, 1953

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	11,810	9,065	2,565
Other semi-finished shapes, not for re-rolling by makers	19,055	21,246	8,052
Structural shapes and piling	15,635	15,701	...
Plates	23,618	22,624	...
Rails	17,061	16,537	...
Tie plates and track material: Splice bars	1,003	879	...
Tie plates	3,042	3,376	...
Spikes	1,429	1,670	...
Concrete reinforcing bars	8,263	10,947	...
Hot rolled bars for cold finishing	1,414	...	1,377
Other hot rolled bars	53,160	44,555	6,182
Pipes and tubes	25,779	26,900	...
Wire rods	24,015	23,838	36
Hot rolled black sheets	82,051	29,836	52,116
Cold reduced black sheets	16,663	12,032	5,517
Galvanized sheets	10,519	10,264	4
Steel castings	7,603	7,338	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	76,584	38,201	39,003
Total carbon steel	398,704	295,009	114,852
<u>Alloy Steel</u>			
Billets, etc., for forging	1,072	717	...
Other semi-finished shapes, not for re-rolling by makers	956	...	956
Structural shapes and piling .....	...	...	...
Plates	728	703	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	12,099	13,016	...
Pipes and tubes .....	...	...	...
Wire rods	66	66	...
Steel castings	2,279	2,050	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	1,362	1,338	...
Total alloy steel	18,562	17,890	956

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Three Months Ended March, 1953

March, 1933

	Production (including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	39,156	30,182	8,756
Other semi-finished shapes, not for re-rolling by makers	78,999	37,377	43,737
Structural shapes and piling	47,178	51,302	...
Plates	65,249	65,635	...
Rails	46,875	45,163	...
Tie plates and track material: Splice bars	2,864	2,830	...
Tie plates	11,494	11,881	...
Spikes	4,506	4,665	...
Concrete reinforcing bars	35,475	33,710	...
Hot rolled bars for cold finishing	3,948	...	4,104
Other hot rolled bars	144,578	116,593	20,830

Primary Iron and Steel

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Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Three Months Ended March, 1953 (Concluded)

	March, 1935	(Concluded)	P r o d u c t i o n	S h i p m e n t s
			(including producers' interchange)	For sale Producers' interchange
			(Tons of 2,000 pounds)	
<u>Carbon Steel (Concluded)</u>				
Pipes and tubes		69,453	62,304	...
Wire rods		62,644	61,710	148
Hot rolled black sheets		222,782	65,040	156,440
Cold reduced black sheets		53,990	36,945	18,290
Galvanized sheets		29,400	28,856	37
Steel castings		19,670	18,517	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)		213,546	98,284	107,607
Total carbon steel		1,151,807	770,994	359,949
<u>Alloy Steel</u>				
Billets, etc., for forging		2,551	2,225	...
Other semi-finished shapes, not for re-rolling by makers		1,873	...	1,873
Structural shapes and piling
Plates		894	854	...
Hot rolled bars for cold finishing		64	...	61
Other hot rolled bars		27,427	28,164	...
Pipes and tubes
Wire rods		186	170	...
Steel castings		6,575	5,922	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)		4,241	4,161	...
Total alloy steel		43,811	41,496	1,934

Table 11 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, March, 1953 and Year to Date

	March, 1953		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	26,320	11,313	57,928	25,310
Agricultural, including farm machinery ...	12,789	255	32,309	539
Building construction	32,165	57	99,534	159
Containers industry	29,940	61	76,237	81
Machinery and tools	15,855	807	44,027	2,110
Merchant trade products	32,109	309	81,721	915
Mining, lumbering, etc.	15,205	948	35,390	2,864
National defence	5,757	571	18,357	1,270
Pressing, forming and stamping	12,556	177	33,906	369
Public works and utilities	1,014	45	4,333	123
Railway operating	26,238	176	74,405	1,093
Railway cars and locomotives	18,228	1,006	48,017	1,243
Shipbuilding	4,757	91	11,556	278
Miscellaneous and unclassified	902	161	2,812	545
Wholesalers and warehouses	33,259	269	96,831	519
Direct export (a) to British Empire	13,889	30	28,070	292
(b) to other countries	14,026	1,614	25,561	3,786
Total shipped for sale	295,009	17,890	770,994	41,496
Producers' interchange	114,852	956	359,949	1,934

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Imports of Primary Forms of Iron and Steel, March, 1953 and Year to Date

Table 12 - Imports of Primary Forms of Iron and Steel, March, 1953 and Year to Date		March, 1953			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Foundry	United States	1,017	...	...	1,972	...	...
Malleable	United States	348	...	...	2,528	...	...
	France	...	...	...	110	...	...
Silvery	United States	230	...	...	587	...	...
Ingots	United States	175	...	...	270	54	...
Billets, blooms, slabs and sheet bars ..	United States	...	9	...	40	10	...
Tube rounds and tube billets	United States	55	...	...	1,184	...	1.9
Bars and sections -							
Hot rolled, n.o.p.	United States	3,343	458	4.2	10,532	2,129	14.6
	United Kingdom	97	37	1.4	381	148	4.1
	Belgium	352	...	...	721	...	...
	France	157	...	...	157	...	...
	Japan	83	...	...	83	...	...
	Germany	27	...	...	27	...	...
Hot rolled -							
For agricultural implements	United States	1,019	7	...	2,745	7	...
	United Kingdom	...	...	...	33	...	...
Rounds over 4 ⁷ / ₈ " , squares over 4" ...	United States	46	46	...	344	52	...
	United Kingdom	182	16	...	414	76	...
	France	...	...	...	24	...	...
Angles, channels, etc.	United States	1,026	...	3.9	3,663	...	29.6
	Belgium	...	...	...	107	...	...
	United Kingdom	...	...	...	12	...	.1
Structurals (bar sizes) for							
agricultural implements	United States	79	...	...	2,426	...	...
Sash or casement sections	United States	139	...	...	661	...	...
	Belgium	7	...	...	75	...	...
	United Kingdom	90	...	...	90	...	...
Cold finished, n.o.p.	United States	833	7	14.8	2,256	26	22.4
	United Kingdom	176	3	1.1	341	32	1.9
	Belgium	...	...	...	5	...	...
	Sweden	6	...	...	6	...	...
	France	12	...	...	12	...	...
Cold rolled, for agricultural							
implements	United States	409	...	...	1,288	...	...
Tool steel	United States	16	51	...	139	178	...
	United Kingdom	27	47	...	108	213	...
Structurals	United States	15,669	...	...	45,398	...	...
	United Kingdom	65	...	...	801	...	...
	Belgium	726	...	...	1,946	...	...
	France	165	...	...	352	...	...
	Japan	18	...	...	18	...	...
Plates -							
78" and under in width	United States	4,874	81	68.4	16,500	244	183.0
	United Kingdom	1,261	...	5.1	2,470	...	5.4
	Germany	...	...	...	39	...	...
	Japan	503	...	...	1,453	...	...
	Belgium	...	...	...	33	...	...
Over 78" and under 100" in width	United States	1,735	...	.9	9,509	...	9.6
	United Kingdom	4,425	...	...	5,893	...	...
	Japan	29	...	...	29	...	...
100" in width and over	United States	380	...	...	1,140	...	27.2
	United Kingdom	17	...	...	55	...	...
Flanged, dished or curved	United States	172	...	3.8	389	...	8.2
Boiler, pulp-mill digesters	United States	377	...	...	999	...	...
Chequered or surface pattern	United States	1,064	...	...	3,254	...	...
	United Kingdom	69	...	...	183	...	...

Table 12 - Imports of Primary Forms of Iron and Steel, March, 1953 and Year to Date (Continued)

Commodity	Country of origin	March, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets -							
Silicon .075 or more	United States	...	2,409	...	...	6,796	...
	United Kingdom	...	11	...	...	129	...
Galvanized	United States	1,358	...	...	3,513	...	...
	United Kingdom	1,097	...	...	1,201	...	...
Hot rolled -							
18 gauge and heavier	United States	4,550	10	6.7	15,875	56	79.9
	United Kingdom	131	...	...	1,653	...	30.5
	Sweden	...	...	2.2	...	...	2.2
Lighter than 18 gauge	United States	188	1	.9	378	2	19.0
	United Kingdom	...	...	...	...	...	16.4
Cold rolled -							
18 gauge and heavier	United States	997	...	113.9	3,809	...	300.2
	United Kingdom	51	...	3.0	132	...	65.6
Lighter than 18 gauge	United States	2,335	...	157.8	7,094	...	449.6
	United Kingdom	726	...	14.5	1,536	...	63.8
For cold rolling	United States	...	...	...	...	...	...
For hollow ware (vitreous enamel)	United States	712	...	...	2,178	...	...
	United Kingdom	1,290	...	...	2,249	...	...
Corrugated	United States	780	...	...	2,049	...	...
	United Kingdom	1	...	...	5	...	...
Coated with paint, tar, asphaltum, etc.	United States	127	...	...	435	...	...
For saws	United States	22	60	...	29	157	...
	United Kingdom	...	2	...	5	6	...
	Sweden	...	...	...	...	1	...
For tubes	United States	445	...	...	497	...	...
For motor vehicles	United States	471	...	...	1,452	...	...
Black plate - Tin mill	United States	47	...	...	66	...	...
For heating apparatus	United States	...	...	...	15	...	...
Tin plate - Primes	United Kingdom	7	...	...	23	...	...
	United States	...	...	...	78	...	...
Electrolytic 50#	United States	103	...	...	483	...	...
Terne plate - Long	United States	660	...	...	1,710	...	...
Short	United States	201	...	...	761	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,603	...	33.4	4,746	68	34.5
	Belgium	60	...	...	66	...	...
Lighter than 18 gauge	United States	...	...	...	15	1	...
Cold rolled -							
18 gauge and heavier	United States	371	22	58.8	1,159	40	119.7
	United Kingdom	...	...	...	2	...	...
	Sweden	...	...	...	1	...	...
Lighter than 18 gauge	United States	505	18	86.1	1,305	36	315.8
	Sweden	59	...	...	97	3	.7
	United Kingdom	2	...	...	2	...	...
For cold rolling	United States	63	...	...	440	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...	3	...	...
For saws	United States	...	34	...	29	93	...
	United Kingdom	...	...	...	...	5	...
	Sweden	...	14	...	1	66	...
For motor vehicles	United States	1,695	...	...	4,989	...	...
For tubes	United States	142	...	...	655	...	...
For tubular products	United States	...	...	...	223	...	...
Coated with paint, tar, asphaltum, etc.	United States	689	...	...	1,708	...	...
	Germany	...	...	...	18	...	...

Table 12 - Imports of Primary Forms of Iron and Steel, March, 1953 and Year to Date (Continued)

Table 12 - Imports of Primary Forms of Iron and Steel, March, 1953 and Year to Date (Continued)							
Commodity	Country of origin	March, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip - (Concluded)							
Silicon .075 or more	United States	...	436	...	...	1,259	...
For butt hinges	United States	196	...	...	645	...	...
For hoops	United States	...	...	...	250	...	...
	United Kingdom	52	...	...	205	...	...
Galvanized	United States	575	...	...	1,489	...	...
	United Kingdom	...	...	...	33	...	...
	Germany	5	...	...	5	...	...
	Belgium	4	...	...	4	...	...
Skelp -							
15 ³ / ₈ " in width	United States	7,973	...	...	24,332	...	...
	Germany	...	...	...	7	...	...
Over 15 ³ / ₈ " in width	United States	756	...	...	2,259	...	...
Plate	United States	196	...	...	702	...	...
Pipes and tubes -							
Cast	United States	22	...	...	243	...	...
	United Kingdom	1,226	...	...	3,234	...	...
Bedstead	United States	4	...	...	41	...	...
	United Kingdom	4	...	...	5	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	546	12	3.0	1,644	58	32.3
	United Kingdom	96	...	...	302	...	...
Cold drawn	United States	67	...	.3	153	36	10.4
	United Kingdom	8	...	...	11	...	.2
Welded	United States	216	...	...	794	...	...
	United Kingdom	18	...	...	167	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	316	349	33.9	980	834	142.6
	United Kingdom	147	...	26.5	455	...	48.9
	Sweden	...	62	...	...	62	...
	Germany	...	...	...	49	...	...
Hot finished	United States	1,688	33	8.1	4,471	381	44.4
	United Kingdom	200	...	...	2,091	...	.2
	Sweden	...	...	...	...	84	...
Seamless, over 12" in diameter -							
Hot finished	United States	340	...	...	991	...	2.9
	United Kingdom	...	...	...	1,415	...	...
Welded, 4" and under in diameter ...	United States	393	...	13.2	1,085	...	44.9
	United Kingdom	847	...	...	2,591	...	...
	Belgium	17	...	...	86	...	...
Welded, over 4" in diameter	United States	11,826	...	7.6	29,272	...	19.3
	United Kingdom	...	...	...	221	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	31	...	...	107	...	...
Spiral welded	United States	188	...	...	269	...	...
Conduit	United States	445	...	...	838	...	...
Casings	United States	8,051	...	...	21,047	...	...
	United Kingdom	142	...	...	1,176	...	...
	Germany	286	...	...	1,115	...	...
	Japan	...	...	...	803	...	...
	Italy	551	...	...	551	...	...
Fittings and couplings	United States	445	...	9.0	1,192	...	19.8
	United Kingdom	18	72
	Germany	21
	Japan	1	13

Primary Iron and Steel

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Table 12 - Imports of Primary Forms of Iron and Steel, March, 1953 and Year to Date (Concluded)

Commodity	Country of origin	March, 1953			Year to date			
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain less	
		(Tons of 2,000 pounds)						
Wire rope	United States	34	...	...	89	...	...
	United Kingdom	34	...	...	158	...	...
	Belgium	...	...	...	21	...	...
	Germany	21	...	...	43	...	...
Wire for rope	United States	1,118	...	...	2,301	...	1.1
	United Kingdom	667	...	...	2,233	...	...
	Germany	...	...	...	5	...	...
	United States	13	...	...	37	...	...
Wire - For corset laces, steels, etc..	United Kingdom	1	...	...	1	...	...
	United States	337	...	...	1,294	...	...
	United Kingdom	57	...	...	159	...	...
	United States	27	...	...	126	...	...
Wire, coated	United Kingdom	...	...	...	3	...	...
	United States	248	50	1.9	880	51	4.3	
Wire, all other	United Kingdom	18	...	...	24	...	...
	Germany	22	...	...	23	...	...
	Sweden	5	...	...	8	1	...
	United States	553	...	...	1,387	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter ...	Belgium	165	...	...	165	...	...
	France	203	...	...	203	...	...
	United Kingdom	58	...	...	58	...	...
	United States	277	77	...	1,241	149	.2	
Welding wire and welding rods	United Kingdom	...	...	...	...	1	...
	Castings -							
For agricultural implements	United States	73	...	...	213	...	...
For ingot moulds	United States	3,392	...	...	10,324	...	...
	United Kingdom	...	...	...	272	...	...
Malleable	United States	3	...	...	65	...	...
Non-malleable	United States	26	...	...	135	...	...
Steel	United States	31	...	...	91	8	...
	United Kingdom	...	...	...	4	...	...
	France	...	...	...	21	...	...
	Norway	...	...	...	148	...	...
For railway vehicles	United States	16	...	...	28	...	...
Rolls	United States	446	78	...	1,171	85	...	
	United Kingdom	...	...	...	2	...	...
Piston rings (rough)	United States	19	...	...	54	...	...
Forgings	United States	42	12	...	147	57	1.7	
	United Kingdom	43	...	...	116	...	...
	Germany	12	...	...	12	...	...
	United States	49	...	...	184	...	...
Wheels - For railway rolling stock ...	United Kingdom	329	...	...	868	...	...
	United States	22	...	...	23	...	...
Tires - For railway rolling stock	United Kingdom	...	...	...	65	...	...
	United States	62	...	...	62	...	...
Axles - For railway vehicles	United States	62	...	...	62	...	...
	Rails -							
	60 lb. and under	United States	31	375
	Belgium	63	...	...	324	...	...
United Kingdom	...	...	...	53	...	...
Over 60 lb. and including 100 lb. ..	United States	54	...	...	379	...	...
Over 100 lb.	United States	15	...	...	65	...	...
Track material -	Angles, bars, tie plates, rail joints	United States	91	217
	Belgium	2	...	...	11	...	...
	United Kingdom	...	...	...	17	...	...
	United States	32	...	...	49	...	...
Intersections, switches, frogs	Belgium	...	...	...	1	...	...
	United States	92,355	4,260	630.6	277,259	12,867	1,939.1	
Total imports	All other	17,240	192	53.8	42,619	827	240.0	
TOTAL		109,595	4,452	684.4	319,878	13,694	2,179.1	

Table 13 - Exports of Primary Iron and Steel, March, 1953 and Year to Date

	March, 1953	Year to date
	(Tons of 2,000 pounds)	
Pig iron	912	9,916
Ingots, blooms and billets	25,536	53,696
Bars	2,008	7,077
Rods	32	57
Plates, sheets and strips	11,434	23,923
Rails	300	300
Structural shapes	782	1,992
Pipe and tubing - Wrought iron .	2	82
Cast iron	77	131
Galvanized ...	4	30
Other	80	241
Castings, iron and steel	1,077	3,708
Forgings	1,305	4,616
Total	43,549	105,769



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PRIMARY IRON AND STEELAPRIL, 1953

Pig Iron - Production of pig iron in Canada amounted to 241,583 tons in April compared with 214,330 tons in the corresponding month of last year. The total for the current month included 214,041 tons of basic iron, 4,465 tons of foundry iron and 23,077 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in April amounted to 15,980 tons, compared with 17,680 tons in the previous month and with 19,856 tons in April of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during April totalled 362,291 tons, compared with 316,641 tons in April of last year. Output in the month under review included 351,907 tons of ingots and 10,384 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During April, 1952 and 1953

	<u>April, 1952</u>		<u>April, 1953</u>	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Pig iron</u> -				
Basic	172,341	7,905	214,041	8,911
Foundry	9,139	12,053	4,465	13,755
Malleable	32,850	27,454	23,077	29,863
Total pig iron	214,330	47,412	241,583	52,529
<u>Ferro-alloys</u>	19,856	19,455	15,980	14,790

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Four Months Ended April, 1952 and 1953

	<u>1 9 5 2</u>		<u>1 9 5 3</u>	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Pig iron</u> -				
Basic	667,538	47,750	780,537	20,593
Foundry	68,042	66,526	69,701	51,078
Malleable	127,820	115,430	99,705	100,524
Total pig iron	863,400	229,706	949,943	172,195
<u>Ferro-alloys</u>	86,582	85,880	65,348	58,681

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During April and Four Months Ended April, 1952 and 1953

	<u>April</u> <u>1952</u>	<u>April</u> <u>1953</u>	<u>Four months ended April</u>	
			<u>1952</u>	<u>1953</u>
(Net tons of 2,000 pounds)				
Iron ore - Canadian	114,256	119,651	484,584	417,283
Imported	277,943	294,646	1,072,306	1,202,463
Mill cinder, scale, sinter, etc.	31,670	56,884	132,311	233,228
Limestone	75,677	84,728	332,744	325,658
Dolomite	19,796	20,662	65,536	96,504
Coke	203,555	222,273	817,384	890,471
Scrap iron and steel	6,592	10,234	24,375	33,367

Table 4 - Description of Iron Blast Furnaces at End of April, 1953

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast.....	13	3,232,700	95.7
Banked .....	...	...	...
Blown out	2	145,300	4.3
Total	15	3,378,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During April, 1952 and 1953

	April, 1952		April, 1953	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	252,648	15,604	309,199	10,028
Electric	52,308	5,628	42,708	3,138
Total Steel Ingots	304,956	21,232	351,907	13,166
Alloy steel ingots included in above.....	22,251	15	21,252	15
<u>Steel Castings</u>				
Open hearth - basic	3,183	2,865	2,938	2,614
Converter	56	10	41	53
Electric	8,446	6,082	7,405	5,568
Total Steel Castings	11,685	8,957	10,384	8,235
Alloy Steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	96	101	104	73
(b) High alloy, manganese and abrasion resistant	1,098	875	1,389	1,065
(c) All other alloys	1,138	290	942	198

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Four Months Ended April, 1952 and 1953.

	1 9 5 2		1 9 5 3	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	1,023,972	66,840	1,197,624	44,319
Electric	208,936	28,556	167,129	12,588
Total Steel Ingots	1,232,908	95,396	1,364,753	56,907
Alloy steel ingots included in above	72,775	84	80,028	172
<u>Steel Castings</u>				
Open hearth - basic.....	12,450	11,432	10,563	9,077
Converter	91	30	192	153
Electric	33,487	24,657	26,468	19,833
Total Steel Castings	46,028	36,119	37,223	29,063
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant.....	362	363	387	275
(b) High alloy, manganese and abrasion resistant.....	8,984	7,575	4,797	3,924
(c) All other alloys	3,391	1,391	3,580	795

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces During April and Four Months Ended April, 1952 and 1953

	April 1 9 5 2	April 1 9 5 3	Four Months 1952	Four Months Ended April 1953
	(Net tons of 2,000 pounds)			
Pig iron	162,790	200,078	681,184	755,101
Scrap - Own make	91,515	104,944	349,219	378,608
Purchased	90,547	96,460	366,270	412,630

Table 8 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1952 and 1953

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 5 2</u>					
January	209,153	21,458	305,721	11,313	317,034
February.....	199,162	22,171	294,346	11,519	305,865
March	240,755	23,097	327,885	11,511	339,396
April	214,330	19,856	304,956	11,685	316,641
Total four months...	863,400	86,582	1,232,908	46,028	1,278,936
May	237,079	21,112	318,890	11,634	330,524
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	285,332	8,076	293,408
August	221,387	16,583	279,805	9,339	289,144
September	222,686	17,641	277,684	10,334	288,018
October	220,464	19,152	298,886	9,011	307,897
November	225,490	19,430	300,226	8,400	308,626
December	232,732	18,437	311,918	7,766	319,684
Total	2,682,065	232,036	3,599,655	122,037	3,721,692
<u>1 9 5 3</u>					
January.....	244,606	15,671	339,215	7,433	346,648
February.....	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
Total four months	949,943	65,348	1,364,753	37,223	1,401,976

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 293,734 net tons in April, 1953 compared with 268,979 tons in April, 1952. The April shipments included 18,815 tons of semi-finished shapes, 15,706 tons of structurals, 19,358 tons of plates, 23,184 tons of rails, 5,296 tons of tie plates and track material, 50,513 tons of hot rolled bars, 20,001 tons of pipes and tubes, 28,447 tons of wire rods, 43,339 tons of black sheets, 9,346 tons of galvanized sheets, 9,929 tons of castings, and 49,800 tons of other rolled products. The amount of producers' interchange was 116,064 tons in April, 1953, as against 156,746 tons in April, 1952.

Of the amounts shipped for sale during April, 49,790 tons went direct to railways and railway car shops; 11,223 tons went to pressing, forming and stamping plants; 36,763 tons to merchant trade products; 34,023 tons to building construction; 22,762 tons to the containers industry; 6,258 tons to agricultural equipment; 36,662 tons to the automotive industry; 14,792 tons to machinery plants; 2,949 tons to shipbuilding; 13,710 tons to mining, lumbering, etc., and 7,694 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 36,506 tons, and exports for 20,602 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 116,064 tons in April, 1953.

Table 9 - Production and Producers' Shipments of Primary Iron and Steel Shapes, April, 1953.

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	10,250	6,711	3,726
Other semi-finished shapes, not for re-rolling by makers.....	26,064	10,018	10,635
Structural shapes and piling	14,768	15,706	...
Plates	18,066	19,119	...
Rails	26,367	23,184	...
Tie plates and track material: Splice bars	1,797	1,437	...
Tie plates	2,670	2,713	...
Spikes	1,184	1,146	...
Concrete reinforcing bars	15,564	14,880	...
Hot rolled bars for cold finishing	1,278	...	1,311
Other hot rolled bars	45,664	39,814	6,766
Pipes and tubes	24,939	20,001	...
Wire rods	28,057	28,257	397
Hot rolled black sheets	77,929	30,809	49,211
Cold reduced black sheets	18,522	12,530	4,427
Galvanized sheets	9,014	9,346	...
Steel castings	7,587	7,698	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	76,955	33,834	37,896
Total - Carbon Steel	406,675	277,203	114,369

Alloy Steel

Billets, etc., for forging	1,916	2,086	...	
Other semi-finished shapes, not for re-rolling by makers	1,677	...	1,677	
Structural shapes and piling .....	...	...	...
Plates	316	239	...	
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	10,999	10,699	18	
Pipes and tubes .....	...	...	...
Wire rods	21	190	...	
Steel castings	2,600	2,231	...	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)...	1,181	1,086	...	
Total - Alloy Steel	18,710	16,531	1,695	

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Four Months Ended April, 1953

	Production (Including producers' interchange)	Shipments For Producers' sale interchange	
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	49,406	36,893	12,482
Other semi-finished shapes, not for re-rolling by makers.....	105,063	47,395	54,372
Structural shapes and piling.....	61,946	67,008	...
Plates.....	83,315	84,754	...
Rails	73,242	68,347	...
Tie Plates and track material: Splice bars	4,661	4,267	...
Tie plates	14,164	14,594	...
Spikes	5,690	5,811	...
Concrete reinforcing bars	51,039	48,590	...
Hot rolled bars for cold finishing	5,226	...	5,415
Other hot rolled bars	190,242	156,407	27,596
Pipes and tubes	94,392	82,305	...

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Four Months Ended April, 1953 (Concluded)

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u> (Concluded)			
Wire rods	90,701	89,967	545
Hot rolled black sheets	300,711	95,849	205,651
Cold reduced black sheets	72,512	49,475	22,717
Galvanized sheets	38,414	38,202	37
Steel castings	27,257	26,215	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	290,501	132,118	145,503
Total - Carbon steel.....	1,558,482	1,048,197	474,318

Alloy Steel

Billets, etc., for forging	4,467	4,311	...	
Other semi-finished shapes, not for re-rolling by makers	3,550	...	3,550	
Structural shapes and piling .....	...	...	...
Plates	1,210	1,093	...	
Hot rolled bars for cold finishing	64	...	61	
Other hot rolled bars	38,426	38,863	18	
Pipes and tubes .....	...	...	...
Wire rods	207	360	...	
Steel castings	9,175	8,153	...	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)..	5,422	5,247	...	
Total - Alloy steel	62,521	58,027	3,629	

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 11 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, April, 1953 and Year to Date

	April, 1953		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	27,567	9,095	85,495	34,405
Agricultural, including farm machinery....	6,199	59	38,508	598
Building construction	33,990	33	133,524	192
Containers industry	22,685	77	98,922	158
Machinery and tools	13,901	891	57,928	3,001
Merchant trade products	36,156	607	117,877	1,522
Mining, lumbering, etc.	12,669	1,041	48,059	3,905
National defence	3,744	592	22,101	1,862
Pressing, forming and stamping	11,048	175	44,954	544
Public works and utilities	1,968	54	6,301	177
Railway operating	33,636	124	108,041	1,217
Railway cars and locomotives	15,805	225	63,822	1,468
Shipbuilding	2,892	57	14,448	335
Miscellaneous and unclassified	1,067	269	3,879	814
Wholesalers and warehouses	36,370	136	133,201	655
Direct export (a) to British Empire	2,014	105	30,084	397
(b) to other countries	15,492	2,991	41,053	6,777
Total shipped for sale	277,203	16,531	1,048,197	58,027
Producers' interchange	114,369	1,695	474,318	3,629

Table 12 - Imports of Primary Forms of Iron and Steel, April, 1953 and Year to Date

Commodity	Country of origin	April, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig iron -							
Basic.....	United States	170	...	...	170	...	...
Foundry	United States	824	...	...	2,796	...	...
	Australia	113	...	...	113	...	...
Silvery.....	United States	221	...	...	808	...	...
Malleable	United States	539	...	...	3,067	...	...
	France	...	...	...	110	...	...
Ingots	United States	124	...	...	394	54	...
Billets, blooms, slabs and sheet bars.	United States	...	...	...	40	10	...
Tube rounds and tube billets	United States	...	...	...	1,184	...	1.9
Bars and sections-							
Hot rolled, n.o.p.	United States	3,934	228	2.4	14,466	2,357	17.0
	United Kingdom	175	102	4.1	556	250	8.2
	Belgium	1,305	...	...	2,026	...	...
	France	395	...	...	552	...	...
	Japan	...	...	...	83	...	...
	Germany	...	...	...	27	...	...
	Austria	7	...	...	7	...	...
Hot rolled -							
For agricultural implements.....	United States	532	...	...	3,277	7	...
	United Kingdom	...	...	...	33	...	...
Rounds over 4-7/8", squares over 4"	United States	130	44	...	474	96	...
	United Kingdom	17	56	10.4	431	132	10.4
	France	...	...	...	24	...	...
Angles, channels, etc.	United States	1,960	...	4.3	5,623	...	33.9
	Belgium	498	...	...	605	...	...
	United Kingdom	18	...	...	30	...	.1
	France	164	...	...	164	...	...
	Germany	1	...	...	1	...	...
	Japan	29	...	...	29	...	...
Structurals (bar sizes) for agricultural implements.....	United States	506	...	...	2,932	...	...
Sash or casement sections.....	United States	250	...	...	911	...	...
	Belgium	...	...	...	75	...	...
	United Kingdom	...	...	...	90	...	...
Cold finished, n.o.p.	United States	680	30	1.6	2,936	56	24.0
	United Kingdom	170	8	2.9	511	40	4.8
	Belgium	195	...	...	200	...	...
	Sweden	...	...	...	6	...	...
	France	...	...	...	12	...	...
Cold finished for agricultural implements	United States	329	...	...	1,617	...	...
Tool steel	United States	8	53	...	147	231	...
	United Kingdom	69	60	...	177	273	...
Structurals	United States	13,733	...	...	59,131	...	...
	United Kingdom	566	...	...	1,367	...	...
	Belgium	3,174	...	...	5,120	...	...
	France	457	...	...	809	...	...
	Japan	...	...	...	18	...	...
Plates -							
78" and under in width.....	United States	4,420	73	48.9	20,920	317	231.9
	United Kingdom	1,019	...	80.4	3,489	...	85.8
	Germany	393	...	...	432	...	...
	Japan	103	...	...	1,556	...	...
	Belgium	643	...	...	676	...	...

Table 12 - Imports of Primary Forms of Iron and Steel, April, 1953 and Year to Date (continued)

Commodity	Country of origin	April, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates - (Concluded)							
Over 78" and under 100" in width....	United States	3,125	...	4.9	12,634	...	14.5
	United Kingdom	797	...	...	6,690	...	...
	Japan	...	...	...	29	...	...
100" in width and over	United States	360	...	...	1,500	...	27.2
	United Kingdom	16	...	...	71	...	...
Flanged, dished or curved	United States	64	...	.3	453	...	8.
Boiler, pulp-mill digesters	United States	434	...	...	1,433	...	...
	United Kingdom	86	...	...	86	...	...
Chequered or surface pattern	United States	1,025	...	...	4,279	...	...
	United Kingdom	...	...	...	183	...	...
Sheets -							
Silicon .075 or more	United States	...	2,255	...	...	9,051	...
	United Kingdom	...	39	...	...	168	...
Galvanized	United States	614	...	...	4,127	...	...
	United Kingdom	944	...	...	2,145	...	...
Hot rolled -							
18 gauge and heavier	United States	6,087	17	45.1	21,962	73	125.0
	United Kingdom	611	...	4.2	2,264	...	34.7
	Sweden	31	...	...	31	...	2.2
Lighter than 18 gauge	United States	48	1	2.4	426	3	21.4
	United Kingdom	...	...	...	...	...	16.4
Cold rolled -							
18 gauge and heavier	United States	1,050	...	96.9	4,859	...	397.1
	United Kingdom	345	...	44.5	477	...	110.1
Lighter than 18 gauge.....	United States	2,584	...	223.3	9,678	...	672.9
	United Kingdom	1,053	...	10.9	2,589	...	74.7
	Belgium	274	...	...	274	...	...
Corrugated	United States	506	...	...	2,555	...	...
	United Kingdom	...	...	...	5	...	...
Coated with paint, tar, asphaltum, etc.	United States	195	...	...	630	...	...
For saws	United States	15	63	...	44	220	...
	United Kingdom	...	1	...	5	7	...
	Sweden	...	...	...	...	1	...
For tubes	United States	...	...	...	497	...	...
For hollow ware (vitreous enamel)...	United States	615	...	...	2,793	...	...
	United Kingdom	648	...	...	2,897	...	...
	Belgium	73	...	...	73	...	...
Black plate - Tin mill.....	United States	...	...	...	66	...	...
For motor vehicles	United States	446	...	...	1,898	...	...
For heating apparatus	United States	17	...	...	32	...	...
Tin plate - Primes	United Kingdom	169	...	...	247	...	...
	United States	32	...	...	55	...	...
Electrolytic 50#	United States	483	...	...	966	...	...
Terne plate - Long	United States	432	...	...	2,142	...	...
Short	United States	439	...	...	1,200	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,100	7	...	5,846	75	34.5
	Belgium	2	...	...	68	...	...
	France	20	...	...	20	...	...
Lighter than 18 gauge	United States	11	...	...	26	1	...
Cold rolled -							
18 gauge and heavier.....	United States	243	6	42.4	1,402	46	162.1
	United Kingdom	83	...	...	85	...	...
	Sweden	...	...	...	1	...	...

Table 12 - Imports of Primary Forms of Iron and Steel, April, 1953 and Year to date (continued)

Table 12 - Imports of Primary Forms of Iron and Steel, April, 1953 and Year to date (Tons)		April, 1953			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)							
Strip - (concluded)							
Cold rolled (concluded)							
Lighter than 18 gauge.....	United States	446	3	162.1	1,751	39	477.9
	Sweden	78	...	...	175	3	.7
	United Kingdom	88	...	...	90	...	...
For cold rolling.....	United States	21	...	...	461	...	...
Coated with paint, tar, etc.	United States	639	...	...	2,347	...	...
	Germany	...	...	...	18	...	...
For saws	United States	10	58	...	39	151	...
	United Kingdom	...	...	...	...	5	...
	Sweden	...	7	...	1	73	...
Silicon .075 or more.....	United States	...	458	...	...	1,717	...
For tubes.....	United States	...	...	...	655	...	...
For tubular products.....	United States	253	...	...	476	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	3	...	...	6	...	...
For motor vehicles.....	United States	2,204	...	...	7,193	...	...
For butt hinges	United States	112	...	...	757	...	...
	United Kingdom	6	...	...	6	...	...
	Sweden	1	...	...	1	...	...
For hoops	United States	112	...	...	362	...	...
	United Kingdom	144	...	...	349	...	...
Galvanized strip	United States	493	...	...	1,982	...	...
	United Kingdom	62	...	...	95	...	...
	Germany	...	...	...	5	...	...
	Belgium	...	...	...	4	...	...
Skelp -							
15-3/8" in width	United States	7,814	...	...	32,146	...	...
	Belgium	6,609	...	...	6,609	...	...
	Germany	...	...	...	7	...	...
Over 15-3/8" in width	United States	654	...	...	2,913	...	...
Plate.....	United States	237	...	...	939	...	...
Pipes and tubes -							
Cast.....	United States	119	...	...	362	...	...
	United Kingdom	1,304	...	...	4,538	...	...
Bedstead	United States	...	...	...	41	...	...
	United Kingdom	...	...	...	5	...	...
Repair of pressure parts of boilers -							
Hot finished.....	United States	320	...	25.2	1,964	58	57.5
	United Kingdom	125	...	...	427	...	...
Cold drawn.....	United States	108	...	11.0	261	36	21.4
	United Kingdom	56	...	...	67	...	.2
Welded	United States	92	...	...	886	...	...
	United Kingdom	15	...	...	182	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	452	120	29.6	1,432	954	172.2
	United Kingdom	298	...	14.6	753	...	63.5
	Sweden	31	...	...	31	62	...
	Germany	...	...	...	49	...	...
Hot finished.....	United States	1,095	237	9.6	5,566	618	54.0
	United Kingdom	254	...	...	2,345	...	.2
	Sweden	...	...	...	...	84	...
Seamless, over 12" in diameter -							
Hot finished.....	United States	156	30	1.5	1,147	30	4.4
	United Kingdom	...	...	...	1,415	...	...
Welded, 4" and under in diameter..	United States	442	...	15.9	1,527	...	60.8
	United Kingdom	564	...	...	3,155	...	...
	Belgium	...	...	...	86	...	...
Welded, over 4" in diameter.....	United States	12,975	...	8.3	42,247	...	27.6
	United Kingdom	386	...	...	607	...	...

Table 12 - Imports of Primary Forms of Iron and Steel, April, 1953 and Year to Date (continued)

Commodity	Country of origin	April, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes - (Concluded)							
Tubing -							
Not over 1/2" diameter, welded and coated	United States	20	...	...	127	...	...
Spiral welded.....	United States	174	...	...	443	...	...
Casings	United States	7,875	...	...	28,922	...	...
	United Kingdom	2,248	...	...	3,424	...	...
	Germany	514	...	...	1,629	...	...
	Japan	55	...	...	858	...	...
	Italy	914	...	...	1,465	...	...
Conduit.....	United States	286	...	...	1,124	...	...
	United Kingdom	5	...	...	5	...	...
Fittings and couplings.....	United States	460	5	5.6	1,652	5	25.4
	United Kingdom	59	...	...	131	...	...
	Germany	...	...	...	21	...	...
	Japan	5	...	...	18	...	...
Wire rope.....							
	United States	72	...	...	161	...	...
	United Kingdom	100	...	...	258	...	...
	Belgium	...	...	...	21	...	...
	Germany	53	...	...	96	...	...
Wire for rope.....	United States	605	...	...	2,906	...	1.1
	United Kingdom	579	...	...	2,812	...	...
	Germany	...	...	...	5	...	...
Wire - For corset laces, steels, etc.	United States	10	...	...	47	...	...
	United Kingdom	...	...	...	1	...	...
For spring mattresses, etc. ..	United States	578	...	...	1,872	...	...
	United Kingdom	173	...	...	332	...	...
Wire, coated	United States	2	...	...	128	...	...
	United Kingdom	...	...	...	3	...	...
Wire, all other	United States	228	36	4.1	1,108	87	8.4
	United Kingdom	5	...	...	29	...	...
	Germany	...	...	...	23	...	...
	Sweden	6	...	...	14	1	...
	Belgium	5	...	...	5	...	...
Wire rods, not over 3/8" in diameter.	United States	293	...	...	1,680	...	...
	Belgium	551	...	...	716	...	...
	France	...	...	...	203	...	...
	United Kingdom	...	...	...	58	...	...
	Sweden	44	...	...	44	...	...
Welding wire and welding rods.....	United States	108	39	4.2	1,349	188	4.4
	United Kingdom	...	...	.2	...	1	.2
Castings -							
For agricultural implements.....	United States	60	...	...	273	...	...
For ingot moulds	United States	2,410	...	...	12,734	...	...
	United Kingdom	...	...	...	272	...	...
Malleable	United States	20	...	...	85	...	...
Non-malleable	United States	15	...	...	150	...	...

Table 12 - Imports of Primary Forms of Iron and Steel, April, 1953 and Year to Date (concluded)

Table 12 - Imports of Primary Forms of Iron and Steel, April, 1953 and Year to Date (Concluded)							
Commodity	Country of origin	April, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Castings - (Concluded)							
Steel	United States	25	...	...	116	8	...
	United Kingdom	...	...	...	4	...	...
	France	...	...	...	21	...	...
	Norway	...	...	...	148	...	...
For railway vehicles.....	United States	1	...	...	29	...	...
Rolls	United States	410	93	...	1,581	178	...
	United Kingdom	44	1	...	46	1	...
Piston rings (rough)	United States	23	...	...	77	...	...
Forgings.....	United States	69	...	...	216	57	1.7
	United Kingdom	106	...	...	222	...	...
	Germany	...	...	...	12	...	...
Wheels - For railway rolling stock..	United States	26	...	...	210	...	...
	United Kingdom	619	...	...	1,487	...	...
Tires - For railway rolling stock...	United States	10	...	...	33	...	...
	United Kingdom	2	...	...	67	...	...
Axles - For railway vehicles	United States	272	...	...	334	...	...
Rails -							
60 lb. and under	United States	52	...	...	427	...	...
	Belgium	10	...	...	334	...	...
	United Kingdom	...	...	...	53	...	...
Over 60 lb. and including 100 lb..	United States	175	...	...	554	...	...
Over 100 lb.	United States	33	...	...	98	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	752	...	...	969	...	...
	Belgium	...	...	...	11	...	...
	United Kingdom	35	...	...	52	...	...
Intersections, switches, frogs....	United States	27	...	...	76	...	...
	Belgium	...	...	...	1	...	...
Total Imports	United States	92,270	3,856	749.6	369,529	16,723	2,688.7
	All other	30,679	274	172.2	73,298	1,101	412.2
TOTAL		122,949	4,130	921.8	442,827	17,824	3,100.9

Table 13 - Exports of Primary Iron and Steel, April, 1953 and Year to Date

	April, 1953		Year to date	
	(Tons of 2,000 pounds)			
Pig iron	33,464		43,380	
Ingots, blooms and billets.....	33,347		87,043	
Bars	1,956		9,034	
Rods	39		97	
Plates, sheets and strips.....	12,522		36,445	
Rails .....	...		300	
Structural shapes	666		2,658	
Pipe and tubing - Wrought iron..	19		101	
Cast iron.....	5		136	
Galvanized....	...		30	
Other	29		270	
Castings, iron and steel	568		4,276	
Forgings	459		5,075	
Total	83,074		188,845	



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PRIMARY IRON AND STEELMAY - 1953

Pig Iron - Production of pig iron in Canada amounted to 271,461 tons in May compared with 237,079 tons in the corresponding month of last year. The total for the current month included 227,022 tons of basic iron, 6,489 tons of foundry iron and 37,950 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in May amounted to 13,148 tons, compared with 15,980 tons in the previous month and with 21,112 tons in May of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during May, 1953, totalled 368,967 tons, compared with 330,524 tons in May of last year. Output in the month under review included 358,896 tons of ingots and 10,071 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During May, 1952 and 1953

	May, 1952		May, 1953	
	Tonnage made (*)	Tonnage shipped (Net tons of 2,000 pounds)	Tonnage made (*)	Tonnage shipped
<u>Pig iron -</u>				
Basic	186,123	12,575	227,022	8,797
Foundry	20,337	18,162	6,489	12,443
Malleable	30,619	35,742	37,950	38,897
Total pig iron	237,079	66,479	271,461	60,137
<u>Ferro-alloys</u>	21,112	21,179	13,148	12,806

(*) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Five Months Ended May, 1952 and 1953

	1952		1953	
	Tonnage made (*)	Tonnage shipped (Net tons of 2,000 pounds)	Tonnage made (*)	Tonnage shipped
<u>Pig iron -</u>				
Basic	853,661	60,325	1,007,559	29,390
Foundry	88,379	84,688	76,190	63,521
Malleable	158,439	151,172	137,655	139,421
Total pig iron	1,100,479	296,185	1,221,404	232,332
<u>Ferro-alloys</u>	107,694	107,059	78,496	71,487

(*) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During May and Five Months Ended May, 1952 and 1953

	May		Five months ended May	
	1952	1953 (Net tons of 2,000 pounds)	1952	1953
<u>Iron ore - Canadian</u>	123,460	117,524	608,044	534,807
Imported	309,479	353,258	1,381,785	1,555,721
<u>Mill cinder, scale, sinter, etc.</u>	25,664	56,364	157,975	289,592
<u>Limestone</u>	87,372	96,213	420,116	421,871
<u>Dolomite</u>	19,344	24,342	84,880	120,846
<u>Coke</u>	221,093	251,032	1,038,477	1,141,503
<u>Scrap iron and steel</u>	9,993	13,566	34,368	46,933

Table 4 - Description of Iron Blast Furnaces at End of May, 1953

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net Tons	Per cent
In blast	14	3,343,000	99.0
Banked	-	-	-
Blown out	1	35,000	1.0
Total	15	3,378,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During May, 1952 and 1953

	May, 1952		May, 1953	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	268,749	8,968	315,455	640
Electric	50,141	6,993	43,441	3,108
Total steel ingots	318,890	15,961	358,896	3,748
Alloy steel ingots included in above	18,440	123	12,475	14
<u>Steel Castings</u>				
Open hearth - basic	2,947	2,684	2,952	2,434
Converter	76	88	25	-
Electric	8,611	6,169	7,094	5,696
Total steel castings	11,634	8,941	10,071	8,130
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	150	104	153	93
(b) High alloy, manganese and abrasion resistant	1,122	1,024	1,153	1,262
(c) All other alloys	939	297	1,036	241

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Five Months Ended May, 1952 and 1953

	1952		1953	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	1,292,721	75,808	1,513,079	44,959
Electric	259,077	35,549	210,570	15,696
Total steel ingots	1,551,798	111,357	1,723,649	60,655
Alloy steel ingots included in above	91,215	207	92,503	186
<u>Steel Castings</u>				
Open hearth - basic	15,397	14,116	13,515	11,511
Converter	167	118	217	153
Electric	42,098	30,826	33,562	25,529
Total steel castings	57,662	45,060	47,294	37,193
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	512	467	540	368
(b) High alloy, manganese and abrasion resistant	10,106	8,599	5,950	5,186
(c) All other alloys	4,330	1,688	4,616	1,036

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces During May, 1952 and 1953 and Five Months Ended

	May, 1953		
	May 1952	May 1953	Five months ended May, 1953
	(Net tons of 2,000 pounds)		
Pig iron	171,335	215,711	970,812
Scrap - Own make	95,374	102,247	480,855
Purchased	95,249	89,375	502,005

Table 8 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1952 and 1953

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 5 2</u>					
January	209,153	21,458	305,721	11,313	317,034
February	199,162	22,171	294,346	11,519	305,865
March	240,755	23,097	327,885	11,511	339,396
April	214,330	19,856	304,956	11,685	316,641
May	237,079	21,112	318,890	11,634	330,524
Total five months	1,100,479	107,694	1,551,798	57,662	1,609,460
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	285,332	8,076	293,408
August	221,387	16,583	279,805	9,339	289,144
September	222,686	17,641	277,684	10,334	288,018
October	220,464	19,152	298,886	9,011	307,897
November	225,490	19,430	300,226	8,400	308,626
December	232,732	18,437	311,918	7,766	319,684
Total	2,682,065	232,036	3,599,655	122,037	3,721,692
<u>1 9 5 3</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
Total five months	1,221,404	78,496	1,723,649	47,294	1,770,943

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 287,200 net tons in May, 1953, compared with 274,133 tons in May, 1952. The May shipments included 17,316 tons of semi-finished shapes, 18,580 tons of structurals, 18,509 tons of plates, 28,308 tons of rails, 6,134 tons of tie plates and track material, 44,912 tons of hot rolled bars, 24,791 tons of pipes and tubes, 25,970 tons of wire rods, 40,867 tons of black sheets, 9,312 tons of galvanized sheets, 9,585 tons of castings, and 42,916 tons of other rolled products. The amount of producers' interchange was 130,948 tons in May, 1953, as against 156,065 tons in May, 1952.

Of the amounts shipped for sale during May, 56,718 tons went direct to railways and railway car shops; 12,477 tons went to pressing, forming and stamping plants; 32,752 tons to merchant trade products; 31,923 tons to building construction; 20,051 tons to the containers industry; 7,806 tons to agricultural equipment; 31,649 tons to the automotive industry; 13,262 tons to machinery plants; 2,611 tons to shipbuilding; 18,071 tons to mining, lumbering, etc., and 8,823 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 34,416 tons, and exports for 16,641 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 130,948 tons in May.

Table 9 - Production and Producers' Shipments of Primary Iron and Steel Shapes, May, 1953

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	12,386	8,084	4,221
Other semi-finished shapes, not for re-rolling by makers	27,858	6,263	16,808
Structural shapes and piling	16,370	18,580	5
Plates	18,362	18,370	-
Rails	26,051	28,308	-
Tie plates and track material: Splice bars	1,727	2,200	-
Tie plates	3,818	2,767	-
Spikes	1,216	1,167	-
Concrete reinforcing bars	11,973	12,564	-
Hot rolled bars for cold finishing	1,601	-	1,604
Other hot rolled bars	47,902	36,567	7,195
Pipes and tubes	21,571	24,791	18
Wire rods	27,320	25,777	18
Hot rolled black sheets	82,649	22,557	58,238
Cold reduced black sheets	23,546	18,310	4,348
Galvanized sheets	8,703	9,312	-
Steel castings	7,391	7,142	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	71,982	29,318	38,304
Total carbon steel	412,426	272,077	130,759
<u>Alloy Steel</u>			
Billets, etc., for forging	2,342	2,969	-
Other semi-finished shapes, not for re-rolling by makers	189	-	189
Structural shapes and piling	-	-	-
Plates	17	139	-
Hot rolled bars for cold finishing	-	-	-
Other hot rolled bars	6,428	8,345	-
Pipes and tubes	-	-	-
Wire rods	228	193	-
Steel castings	2,493	2,443	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	1,023	1,034	-
Total alloy steel	12,720	15,123	189

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Five Months Ended May, 1953

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	61,792	44,977	16,703
Other semi-finished shapes, not for re-rolling by makers	132,921	53,658	71,180
Structural shapes and piling	78,316	85,588	5
Plates	101,677	103,124	-
Rails	99,293	96,655	-
Tie plates and track material: Splice bars	6,388	6,467	-
Tie plates	17,982	17,361	-
Spikes	6,906	6,978	-
Concrete reinforcing bars	63,012	61,154	-
Hot rolled bars for cold finishing	6,827	-	7,019
Other hot rolled bars	238,144	192,974	34,791
Pipes and tubes	115,963	107,096	18

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Five Months Ended May, 1953 (Concluded)

	Production (Including producers' interchange)	Shipments	
		For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u> (Concluded)			
Wire rods	118,021	115,744	563
Hot rolled black sheets	383,360	118,406	263,889
Cold reduced black sheets	96,058	67,785	27,065
Galvanized sheets	47,117	47,514	37
Steel castings	34,648	33,357	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	362,483	161,436	183,807
Total carbon steel	1,970,908	1,320,274	605,077
<u>Alloy Steel</u>			
Billets, etc., for forging	6,809	7,280	-
Other semi-finished shapes, not for re-rolling by makers	3,739	-	3,739
Structural shapes and piling	-	-	-
Plates	1,227	1,232	-
Hot rolled bars for cold finishing	64	-	61
Other hot rolled bars	44,854	47,208	18
Pipes and tubes	-	-	-
Wire rods	435	553	-
Steel castings	11,668	10,596	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	6,445	6,281	-
Total alloy steel	75,241	73,150	3,818

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 11 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, May, 1953 and Year to Date

	May, 1953		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	23,229	8,420	108,724	42,825
Agricultural, including farm machinery ...	7,722	84	46,230	682
Building construction	31,830	93	165,354	285
Containers industry	19,963	88	118,885	246
Machinery and tools	12,564	698	70,492	3,699
Merchant trade products	32,378	374	150,255	1,896
Mining, lumbering, etc.	17,038	1,033	65,097	4,938
National defence	3,812	408	25,913	2,270
Pressing, forming and stamping	12,356	121	57,310	665
Public works and utilities	3,313	73	9,614	250
Railway operating	38,233	259	146,274	1,476
Railway cars and locomotives	18,140	86	81,962	1,554
Shipbuilding	2,558	53	17,006	388
Miscellaneous and unclassified	969	248	4,848	1,062
Wholesalers and warehouses	34,287	129	167,488	784
Direct export (a) to British Empire	112	22	30,196	419
(b) to other countries	13,573	2,934	54,626	9,711
Total shipped for sale	272,077	15,123	1,320,274	73,150
Producers' interchange	130,759	189	605,077	3,818

Table 12 - Imports of Primary Forms of Iron and Steel, May, 1953 and Year to Date

Table 12 - Imports of Primary Forms of Iron and Steel, May, 1953 and Year to date							
Commodity	Country of origin	May, 1953			Year to date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	224	-	-	394	-	-
Malleable	United States	234	-	-	3,301	-	-
	France	-	-	-	110	-	-
Silvery	United States	47	-	-	855	-	-
Foundry	United States	251	-	-	3,047	-	-
	Australia	-	-	-	113	-	-
Ingots	United States	319	-	-	713	54	-
Billets, blooms, slabs and sheet bars .	United States	-	-	-	40	10	-
Tube rounds and tube billets	United States	-	-	-	1,184	-	1.9
Bars and sections -							
Hot rolled, n.o.p.	United States	3,683	307	5.3	18,149	2,664	22.3
	United Kingdom	142	134	3.4	698	384	11.6
	Belgium	1,784	-	-	3,810	-	-
	France	69	-	-	621	-	-
	Japan	29	-	-	112	-	-
	Germany	-	-	-	27	-	-
	Austria	2	-	-	9	-	-
Hot rolled -							
For agricultural implements	United States	284	-	-	3,561	7	-
	United Kingdom	-	-	-	33	-	-
Rounds over 4-7/8", squares over 4".	United States	56	15	-	530	111	-
	United Kingdom	21	11	-	452	143	10.4
	Belgium	33	-	-	33	-	-
	France	-	-	-	24	-	-
Angles, channels, etc.	United States	1,067	-	5.8	6,690	-	39.7
	Belgium	591	-	-	1,196	-	-
	United Kingdom	-	-	-	30	-	.1
	France	41	-	-	205	-	-
	Germany	-	-	-	1	-	-
	Japan	79	-	-	108	-	-
Structurals (bar sizes) for							
agricultural implements	United States	115	-	-	3,047	-	-
Sash or casement sections	United States	191	-	-	1,102	-	-
	Belgium	-	-	-	75	-	-
	United Kingdom	-	-	-	90	-	-
Cold finished, n.o.p.	United States	783	11	3.3	3,719	67	27.3
	United Kingdom	162	7	-	673	47	4.8
	Belgium	71	-	-	271	-	-
	Sweden	-	-	-	6	-	-
	France	-	-	-	12	-	-
Cold finished, for agricultural							
implements	United States	256	-	-	1,873	-	-
Tool steel	United States	11	48	-	158	279	-
	United Kingdom	73	98	-	250	371	-
Structurals	United States	14,498	-	-	73,629	-	-
	United Kingdom	379	-	-	1,746	-	-
	Belgium	3,613	-	-	8,733	-	-
	France	508	-	-	1,317	-	-
	Japan	-	-	-	18	-	-
Plates -							
78" and under in width	United States	4,553	31	75.3	25,473	348	307.2
	United Kingdom	2,135	-	45.4	5,624	-	131.2
	Germany	168	-	-	600	-	-
	Japan	401	-	-	1,957	-	-
	Belgium	357	-	-	1,033	-	-
Over 78" and under 100" in width	United States	3,011	-	2.6	15,645	-	17.1
	United Kingdom	1,812	-	-	8,502	-	-
	Japan	-	-	-	29	-	-
100" in width and over	United States	608	-	64.9	2,108	-	92.1
	United Kingdom	-	-	-	71	-	-

Table 12 - Imports of Primary Forms of Iron and Steel, May, 1953 and Year to Date (Continued)

Commodity	Country of origin	May, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates - (concluded)							
Flanged, dished or curved	United States	257	-	-	710	-	8.5
Boiler, pulp-mill digesters	United States	618	-	-	2,051	-	-
	United Kingdom	-	-	-	86	-	-
Chequered or surface pattern	United States	975	-	-	5,254	-	-
	United Kingdom	-	-	-	183	-	-
Sheets -							
Silicon .075 or more	United States	-	2,002	-	-	11,053	-
	United Kingdom	-	38	-	-	206	-
Galvanized	United States	981	-	-	5,108	-	-
	United Kingdom	220	-	-	2,365	-	-
Hot rolled -							
18 and heavier	United States	4,277	69	39.4	26,239	142	164.4
	United Kingdom	844	-	16.3	3,108	-	51.0
	Sweden	-	-	7.9	31	-	10.1
Lighter than 18 gauge	United States	165	-	6.4	591	3	27.8
	United Kingdom	-	-	18.0	-	-	34.4
Cold rolled -							
18 gauge and heavier	United States	1,408	-	101.3	6,267	-	498.4
	United Kingdom	495	-	8.5	972	-	118.6
Lighter than 18 gauge	United States	1,684	-	149.3	11,362	-	822.2
	United Kingdom	1,370	-	4.3	3,959	-	79.0
	Belgium	38	-	-	312	-	-
Corrugated	United States	506	-	-	3,061	-	-
	United Kingdom	-	-	-	5	-	-
Coated with paint, tar, asphaltum, etc.	United States	153	-	-	783	-	-
For saws	United States	-	54	-	44	274	-
	United Kingdom	-	-	-	5	7	-
	Sweden	-	-	-	-	1	-
For hollow ware (vitreous enamel) ...	United States	627	-	-	3,420	-	-
	United Kingdom	1,948	-	-	4,845	-	-
	Belgium	-	-	-	73	-	-
Black plate - Tin mill	United States	-	-	-	66	-	-
For motor vehicles	United States	279	-	-	2,177	-	-
For heating apparatus	United States	66	-	-	98	-	-
For tubes	United States	-	-	-	497	-	-
Tin plate - Primes	United Kingdom	13	-	-	68	-	-
	United States	202	-	-	449	-	-
Electrotytic 50 pounds ..	United States	-	-	-	966	-	-
Electrotytic 75 pounds ..	United States	44	-	-	44	-	-
Terne plate - Long	United States	859	-	-	3,001	-	-
	United Kingdom	-	-	-	-	-	-
Short	United States	153	-	-	1,353	-	-
	United Kingdom	-	-	-	-	-	-
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,954	-	-	7,800	75	34.5
	Belgium	6	-	-	74	-	-
	France	45	-	-	65	-	-
Lighter than 18 gauge	United States	-	-	-	26	1	-
Cold rolled -							
18 gauge and heavier	United States	278	24	48.9	1,680	70	211.0
	United Kingdom	68	5	-	153	5	-
	Sweden	-	-	-	1	-	-
Lighter than 18 gauge	United States	403	5	135.4	2,154	44	613.3
	Sweden	-	-	-	175	3	.7
	United Kingdom	60	-	-	150	-	-
For cold rolling	United States	50	-	-	511	-	-
For shoe and corset laces, buckles, ball bearings, etc.	United States	52	-	-	58	-	-

Table 12 - Imports of Primary Forms of Iron and Steel, May, 1953 and Year to Date (Continued)

Commodity	Country of origin	May, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip - (concluded)							
For saws	United States	-	44	-	39	195	-
	United Kingdom	-	-	-	-	5	-
	Sweden	-	6	-	1	79	-
For motor vehicles	United States	1,115	-	-	8,308	-	-
For tubes	United States	218	-	-	873	-	-
For tubular products	United States	46	-	-	522	-	-
Coated with paint, tar, asphaltum ...	United States	556	-	-	2,903	-	-
	Germany	1	-	-	19	-	-
	United Kingdom	3	-	-	3	-	-
Silicon .075 or more	United States	-	320	-	-	2,037	-
For butt hinges	United States	126	-	-	883	-	-
	United Kingdom	-	-	-	6	-	-
	Sweden	-	-	-	1	-	-
For hoops	United States	-	-	-	362	-	-
	United Kingdom	26	-	-	375	-	-
Galvanized strip	United States	454	-	-	2,436	-	-
	United Kingdom	35	-	-	130	-	-
	Germany	-	-	-	5	-	-
	Belgium	1	-	-	5	-	-
Skelp -							
15-3/8" in width	United States	6,284	-	-	38,430	-	-
	France	7,711	-	-	7,711	-	-
	Belgium	-	-	-	6,609	-	-
	United Kingdom	49	-	-	49	-	-
	Germany	-	-	-	7	-	-
Over 15-3/8" in width	United States	872	-	-	3,785	-	-
Plate	United States	-	-	-	939	-	-
Pipes and tubes -							
Cast	United States	108	-	-	470	-	-
	United Kingdom	2,239	-	-	6,777	-	-
Bedstead	United States	-	-	-	41	-	-
	United Kingdom	-	-	-	5	-	-
Repair of pressure parts of boilers -							
Hot finished	United States	265	-	-	2,229	58	57.5
	United Kingdom	174	-	-	601	-	-
	Sweden	-	-	.9	-	-	.9
	Germany	48	-	-	48	-	-
Cold drawn	United States	22	-	3.3	283	36	24.7
	United Kingdom	25	-	-	92	-	.2
Welded	United States	185	-	-	1,071	-	-
	United Kingdom	-	-	-	182	-	-
Seamless, 12" and under in diameter -							
Cold drawn	United States	490	224	16.6	1,922	1,178	188.8
	United Kingdom	175	-	23.9	928	-	87.4
	Sweden	-	26	-	31	88	-
	Germany	12	-	-	61	-	-
Hot finished	United States	681	27	5.0	6,247	645	59.0
	United Kingdom	169	-	-	2,514	-	.2
	Sweden	-	-	-	-	84	-
Seamless, over 12" in diameter -							
Hot finished	United States	99	-	-	1,246	30	4.4
	United Kingdom	1,294	-	-	2,709	-	-
Welded, 4" and under in diameter ..	United States	214	-	8.3	1,741	-	69.1
	United Kingdom	1,269	-	-	4,424	-	-
	Belgium	-	-	-	86	-	-
Welded, over 4" in diameter	United States	21,597	-	.9	63,844	-	28.5
	United Kingdom	469	-	-	1,076	-	-

Table 12 - Imports of Primary Forms of Iron and Steel, May, 1953 and Year to Date (Continued)

Commodity	Country of origin	May, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes - (concluded)							
Tubing -							
Not over 1/2" diameter, welded and coated	United States	59	-	-	186	-	-
Spiral welded	United States	187	-	-	630	-	-
Conduit	United States	760	-	-	1,884	-	-
	United Kingdom	-	-	-	5	-	-
Casings	United States	6,376	-	-	35,298	-	-
	United Kingdom	1,279	-	-	4,703	-	-
	Germany	-	-	-	1,629	-	-
	Japan	347	-	-	1,205	-	-
	Italy	-	-	-	1,465	-	-
Fittings and couplings	United States	535	-	9.8	2,187	5	35.2
	United Kingdom	77	-	-	208	-	-
	Germany	-	-	-	21	-	-
	Japan	8	-	-	26	-	-
Wire rope							
	United States	75	-	-	236	-	-
	United Kingdom	103	-	-	361	-	-
	Belgium	-	-	-	21	-	-
	Germany	7	-	-	103	-	-
Wire for rope	United States	611	-	-	3,517	-	1.1
	United Kingdom	799	-	-	3,611	-	-
	Germany	-	-	-	5	-	-
Wire - For corset laces, steels, etc. .	United States	15	-	-	62	-	-
	United Kingdom	-	-	-	1	-	-
For spring mattresses, etc.	United States	588	-	-	2,460	-	-
	United Kingdom	151	-	-	483	-	-
Wire, coated	United States	20	-	-	148	-	-
	United Kingdom	4	-	-	7	-	-
	Germany	6	-	-	6	-	-
Wire, all other	United States	400	31	1.9	1,508	118	10.3
	United Kingdom	36	-	-	65	-	-
	Germany	5	-	-	28	-	-
	Sweden	-	-	-	14	1	-
	Belgium	-	-	-	5	-	-
Wire rods, not over 3/8" in diameter ..	United States	187	-	-	1,867	-	-
	Belgium	388	-	-	1,104	-	-
	Germany	33	-	-	33	-	-
	United Kingdom	74	-	-	132	-	-
	France	219	-	-	422	-	-
	Sweden	-	-	-	44	-	-
Welding wire and welding rods	United States	195	59	.4	1,544	247	4.8
	United Kingdom	-	-	-	-	1	.2
Castings -							
For agricultural implements	United States	3	-	-	276	-	-
For ingot moulds	United States	2,124	-	-	14,858	-	-
	United Kingdom	-	-	-	272	-	-
Malleable	United States	6	-	-	91	-	-
Non-malleable	United States	10	-	-	160	-	-
Steel	United States	27	-	-	143	8	-
	United Kingdom	-	-	-	4	-	-
	France	-	-	-	21	-	-
	Norway	-	-	-	148	-	-
For railway vehicles	United States	-	-	-	29	-	-
Rolls	United States	439	319	-	2,020	497	-
	United Kingdom	19	29	-	65	30	-
Piston rings (rough)	United States	15	-	-	92	-	-
Forgings							
	United States	46	-	-	262	57	1.7
	United Kingdom	67	-	-	289	-	-
	Germany	-	-	-	12	-	-

Table 12 - Imports of Primary Forms of Iron and Steel, May, 1953 and Year to Date (Concluded)

Table 12 - Imports of Primary Forms of Iron and Steel, May, 1953 and Year to Date (continued)							
Commodity	Country of origin	May, 1953			Year to date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)							
Wheels - For railway rolling stock	United States	57	-	-	267	-	-
	United Kingdom	1,002	-	-	2,489	-	-
Tires - For railway rolling stock	United States	19	-	-	52	-	-
	United Kingdom	42	-	-	109	-	-
Axles - For railway vehicles	United States	208	-	-	542	-	-
Rails -							
60 lb. and under	United States	29	-	-	456	-	-
	Belgium	26	-	-	360	-	-
	United Kingdom	-	-	-	53	-	-
Over 60 lb. and including 100 lb. ...	United States	109	-	-	663	-	-
	United Kingdom	808	-	-	808	-	-
Over 100 lb.	United States	33	-	-	131	-	-
Track material -							
Angles, bars, tie plates, rail joints	United States	283	-	-	1,252	-	-
	Belgium	1	-	-	12	-	-
	United Kingdom	-	-	-	52	-	-
Intersections, switches, frogs	United States	10	-	-	86	-	-
	Belgium	-	-	-	1	-	-
Total imports	United States	92,940	3,590	684.1	462,469	20,313	3,372.8
	All other	36,778	354	128.6	110,076	1,455	540.8
TOTAL		129,718	3,944	812.7	572,545	21,768	3,913.6

Table 13 - Exports of Primary Iron and Steel, May, 1953 and Year to Date

	May, 1953			Year to date		
	Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)						
Pig iron	43,564			86,944		
Ingots, blooms and billets	14,729			101,772		
Bars	3,477			12,511		
Rods	10			107		
Plates, sheets and strips	14,579			51,024		
Rails	-			300		
Structural shapes	609			3,267		
Pipe and tubing - Wrought iron	3			104		
Cast iron	41			177		
Galvanized	-			30		
Other	418			688		
Castings, iron and steel	654			4,930		
Forgings	741			5,816		
Total	78,825			267,670		



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OTTAWA

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PRIMARY IRON AND STEELJUNE - 1953

Pig Iron - Production of pig iron in Canada amounted to 266,180 tons in June, 1953, compared with 229,266 tons in the corresponding month of last year. The total for the current month included 202,933 tons of basic iron, and 63,247 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in June, 1953, amounted to 11,997 tons, compared with 13,148 tons in the previous month and with 17,591 tons in June of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during June, 1953, totalled 352,463 tons, compared with 305,455 tons in June of last year. Output in the month under review included 342,629 tons of ingots and 9,834 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During June, 1952 and 1953.

	June, 1952		June, 1953	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	178,279	14,573	202,933	8,804
Foundry	20,322	18,161	...	10,733
Malleable	30,665	34,368	63,247	45,042
Total pig iron	229,266	67,102	266,180	64,579
<u>Ferro-alloys</u>	17,591	5,368	11,997	11,947

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Six Months Ended June, 1952 and 1953

	1 9 5 2		1 9 5 3	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	1,031,940	74,898	1,210,492	38,194
Foundry	108,701	102,849	76,190	74,254
Malleable	189,104	185,540	200,902	184,463
Total pig iron	1,329,745	363,287	1,487,584	296,911
<u>Ferro-alloys</u>	125,285	112,427	90,493	83,434

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During June and Six Months Ended June, 1952 and 1953

	J u n e		Six months ended June	
	1952	1953	1952	1953
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	124,483	119,127	732,527	653,934
Imported	293,839	337,584	1,675,624	1,893,305
Mill cinder, scale, sinter, etc.	19,110	61,293	177,085	350,885
Limestone	84,496	94,723	504,612	516,594
Dolomite	17,193	25,083	102,073	145,929
Coke	212,393	247,128	1,250,870	1,388,631
Scrap iron and steel	10,113	9,604	44,481	56,537

Table 4 - Description of Iron Blast Furnaces at End of June, 1953

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	14	3,343,000	99.0
Banked .....	...	...	...
Blown out	1	35,000	1.0
Total	15	3,378,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During June, 1952 and 1953

	1 9 5 2		1 9 5 3	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel Ingots</u>				
Open hearth - basic	249,093	12,147	296,188	303
Electric	44,913	2,564(★★)	46,441	31
Total steel ingots	294,006	14,711	342,629	334
Alloy steel ingots included in above	15,642	82	20,095	...
<u>Steel Castings</u>				
Open hearth - basic	3,195	2,888	2,947	2,616
Converter	73	60	37	20
Electric	8,181	6,248	6,850	5,364
Total steel castings	11,449	9,196	9,834	8,000
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	105	88	79	44
(b) High alloy, manganese and abrasion resistant	1,435	1,383	1,300	1,149
(c) All other alloys	964	338	1,194	294

(★) Includes amounts for sale and for own use. (★★) Revised.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Six Months Ended June, 1952 and 1953

	1 9 5 2		1 9 5 3	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel Ingots</u>				
Open hearth - basic	1,541,814	87,955	1,809,267	45,262
Electric	291,990(★)	8,607(★★)	257,011	504(★)
Total steel ingots	1,833,804	96,562	2,066,278	45,766(★)
Alloy steel ingots included in above	106,857	289	112,598	186
<u>Steel Castings</u>				
Open hearth - basic	18,592	17,004	16,462	14,127
Converter	240	178	254	173
Electric	50,279	37,074	40,412	30,893
Total steel castings	69,111	54,256	57,128	45,193
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	617	555	619	412
(b) High alloy, manganese and abrasion resistant	11,541	9,982	7,250	6,335
(c) All other alloys	5,294	2,026	5,810	1,330

(★) Includes amounts for sale and for own use. (★★) Revised.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces During June, 1952 and 1953 and Six Months Ended June, 1953

	June 1952	June 1953	Six months ended June, 1953
	(Net tons of 2,000 pounds)		
Pig iron	163,072	197,270	1,168,082
Scrap - Own make	88,827	99,895	580,750
Purchased	85,970	85,153	587,158

Table 8 - Steel Furnace Capacity at First of January, 1953(★)

	Annual capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,757,300
Electric	714,400
Total ingots	4,471,700
Steel castings	312,400
Total ingots and castings ...	4,784,100

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1952 and 1953

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots(★)	Castings	Total steel
			(Net tons of 2,000 pounds)		
1 9 5 2					
January	209,153	21,458	303,721	11,313	315,034
February	199,162	22,171	291,846	11,519	303,365
March	240,755	23,097	325,385	11,511	336,896
April	214,330	19,856	302,456	11,685	314,141
May	237,079	21,112	316,390	11,634	328,024
June	229,266	17,591	294,006	11,449	305,455
Total six months	1,329,745	125,285	1,833,804	69,111	1,902,915
July	229,561	15,508	284,996	8,076	293,072
August	221,387	16,583	277,759	9,339	287,098
September	222,686	17,641	274,662	10,334	284,996
October	220,464	19,152	297,093	9,011	306,104
November	225,490	19,430	297,874	8,400	306,274
December	232,732	18,437	311,918	7,766	319,684
Total	2,682,065	232,036	3,578,106	122,037	3,700,143
1 9 5 3					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
Total six months	1,487,584	90,493	2,066,278	57,128	2,123,406

(★) Revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 277,707 net tons in June, 1953, compared with 263,685 tons in June, 1952. The June, 1953, shipments included 13,221 tons of semi-finished shapes, 19,715 tons of structurals, 16,442 tons of plates, 23,066 tons of rails, 7,820 tons of tie plates and track material, 39,929 tons of hot rolled bars, 20,215 tons of pipes and tubes, 29,148 tons of wire rods, 37,559 tons of black sheets, 8,210 tons of galvanized sheets, 9,623 tons of castings, and 52,759 tons of other rolled products. The amount of producers' interchange was 130,635 tons in June, 1953, as against 141,580 tons in June, 1952.

Primary steel shapes - (Concluded)

Of the amounts shipped for sale during June, 51,627 tons went direct to railways and railway car shops; 13,515 tons went to pressing, forming and stamping plants; 35,121 tons to merchant trade products; 35,932 tons to building construction; 24,373 tons to the containers industry; 6,000 tons to agricultural equipment; 23,931 tons to the automotive industry; 12,468 tons to machinery plants; 2,714 tons to shipbuilding; 12,410 tons to mining, lumbering, etc., and 7,293 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 34,804 tons, and exports for 17,519 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 130,635 tons in June, 1953.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, June, 1953

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	10,164	5,851	4,023
Other semi-finished shapes, not for re-rolling by makers	36,062	4,552	18,418
Structural shapes and piling	16,490	19,715	...
Plates	15,787	16,383	...
Rails	22,626	23,066	...
Tie plates and track material: Splice bars	1,943	1,770	...
Tie plates	5,802	4,736	...
Spikes	1,287	1,314	...
Concrete reinforcing bars	13,960	15,687	...
Hot rolled bars for cold finishing	1,717	...	1,469
Other hot rolled bars	43,040	31,201	8,528
Pipes and tubes	17,434	20,215	...
Wire rods	28,740	29,030	115
Hot rolled black sheets	77,649	19,251	57,005
Cold reduced black sheets	24,973	18,308	6,618
Galvanized sheets	8,356	8,210	...
Steel castings	6,977	7,132	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles, etc.).....	70,025	35,785	33,821
Total carbon steel	403,032	262,206	129,997
<u>Alloy Steel</u>			
Billets, etc., for forging	2,778	2,818	...
Other semi-finished shapes, not for re-rolling by makers	609	...	609
Structural shapes and piling .....	...	...	...
Plates	11	59	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	9,177	8,728	29
Pipes and tubes .....	...	...	...
Wire rods	34	118	...
Steel castings	2,670	2,491	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles, etc.).....	1,322	1,287	...
Total alloy steel	16,601	15,501	638

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Six Months Ended
June, 1953

	Production (Including producers' interchange)	Shipments For Producers' sale interchange
	(Tons of 2,000 pounds)	
<u>Carbon Steel</u>		
Billets, etc., for forging	71,956	50,828 20,726
Other semi-finished shapes, not for re-rolling by makers	168,983	58,210 89,598
Structural shapes and piling	94,806	105,303 5
Plates	117,464	119,507 ...
Rails	121,919	119,721 ...
Tie plates and track material: Splice bars	8,331	8,237 ...
Tie plates	23,784	22,097 ...
Spikes	8,193	8,292 ...
Concrete reinforcing bars	76,972	76,841 ...
Hot rolled bars for cold finishing	8,544	... 8,488
Other hot rolled bars	281,184	224,175 43,319
Pipes and tubes	133,397	127,311 18
Wire rods	146,761	144,774 678
Hot rolled black sheets	461,009	137,657 320,894
Cold reduced black sheets	121,031	86,093 33,683
Galvanized sheets	55,473	55,724 37
Steel castings	41,625	40,489 ...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, and axles, etc.)	432,508	197,221 217,628
Total carbon steel	2,373,940	1,582,480 735,074
<u>Alloy Steel</u>		
Billets, etc., for forging	9,587	10,098 ...
Other semi-finished shapes, not for re-rolling by makers	4,348	... 4,348
Structural shapes and piling .....	...	... ...
Plates	1,238	1,291 ...
Hot rolled bars for cold finishing	64	... 61
Other hot rolled bars	54,031	55,936 47
Pipes and tubes .....	...	... ...
Wire rods	469	671 ...
Steel castings	14,338	13,087 ...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles, etc.)..	7,767	7,568 ...
Total alloy steel	91,842	88,651 4,456

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, June, 1953 and Year to Date

	June, 1953		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	16,708	7,223	125,432	50,048
Agricultural, including farm machinery ..	5,899	101	52,129	783
Building construction	35,830	102	201,184	387
Containers industry	24,318	55	143,203	301
Machinery and tools	11,624	844	82,116	4,543
Merchant trade products	34,599	522	184,854	2,418
Mining, lumbering, etc.	11,253	1,157	76,350	6,095
National defence	3,225	318	29,138	2,588
Pressing, forming and stamping	13,355	160	70,665	825
Public works and utilities	2,284	33	11,898	283
Railway operating	33,984	301	180,258	1,777
Railway cars and locomotives	17,132	210	99,094	1,764
Shipbuilding	2,643	71	19,649	459
Miscellaneous and unclassified	1,148	285	5,996	1,347
Wholesalers and warehouses	34,623	181	202,111	965
Direct export (a) to British Empire	85	46	30,281	465
(b) to other countries	13,496	3,892	68,122	13,603
Total shipped for sale	262,206	15,501	1,582,480	88,651
Producers' interchange	129,997	638	735,074	4,456

Table 13 - Imports of Primary Forms of Iron and Steel, June, 1953 and Year to Date

Commodity	Country of origin	June, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	132	...	...	526	...	...
Malleable	United States	...	...	...	3,301	...	...
	France	...	...	...	110	...	...
Silvery	United States	211	...	...	1,066	...	...
Foundry	United States	...	...	...	3,047	...	...
	Australia	...	...	...	113	...	...
Ingot	United States	120	...	...	833	54	...
Billets, blooms, slabs and sheet bars .	United States	...	27	...	40	37	...
Tube rounds and tube billets	United States	...	...	...	1,184	...	1.9
Bars and sections -							
Hot rolled, n.o.p.	United States	4,393	344	4.1	22,542	3,008	26.4
	United Kingdom	178	3	...	876	387	11.6
	Belgium	2,725	...	...	6,535	...	...
	France	372	...	...	993	...	...
	Japan	...	...	...	112	...	...
	Germany	...	...	...	27	...	...
	Austria	...	...	...	9	...	...
Hot rolled -							
For agricultural implements	United States	128	...	...	3,689	7	...
	United Kingdom	...	...	...	33	...	...
Rounds over 4 ⁷ / ₈ " , squares over 4" ..	United States	105	5	...	635	116	...
	United Kingdom	...	17	...	452	160	10.4
	Belgium	24	...	...	57	...	...
	France	...	...	...	24	...	...
Angles, channels, etc.	United States	564	...	15.9	7,254	...	55.6
	Belgium	559	...	...	1,755	...	...
	United Kingdom	11	...	...	41	...	.1
	France	33	...	...	238	...	...
	Germany	...	...	...	1	...	...
	Japan	...	...	...	108	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, June, 1953 and Year to Date (Continued)

Commodity	Country of origin	June, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (Concluded)							
Hot rolled - (Concluded)							
Structurals (bar sizes) for agricultural implements	United States	137	...	...	3,184	...	...
Sash or casement sections	United States	300	...	...	1,402	...	...
	Belgium	22	...	...	97	...	...
	United Kingdom	...	...	...	90	...	...
Cold finished, n.o.p.	United States	482	45	2.7	4,201	112	30.0
	United Kingdom	77	...	5.0	750	47	9.8
	Belgium	16	...	...	287	...	...
	Sweden	4	...	...	10	...	...
	France	...	...	...	12	...	...
Cold finished, for agricultural implements	United States	191	...	...	2,064	...	...
Tool steel	United States	1	50	...	159	329	...
	United Kingdom	15	57	...	265	428	...
Structurals	United States	15,062	...	...	88,691	...	...
	United Kingdom	562	...	...	2,308	...	...
	Belgium	4,431	...	...	13,164	...	...
	France	1,437	...	...	2,754	...	...
	Japan	...	...	...	18	...	...
Plates -							
78" and under in width	United States	194	95	85.7	25,667	443	392.9
	United Kingdom	2,720	...	33.0	8,344	...	164.2
	Germany	672	...	...	1,272	...	...
	Japan	179	...	...	2,136	...	...
	Belgium	57	...	...	1,090	...	...
Over 78" and under 100" in width	United States	3,746	...	9.2	19,391	...	26.3
	United Kingdom	1,239	...	...	9,741	...	...
	Japan	...	...	...	29	...	...
100" in width and over	United States	337	...	47.7	2,445	...	139.8
	United Kingdom	259	...	...	330	...	...
Flanged, dished or curved	United States	77	...	...	787	...	8.5
Boiler, pulp-mill digesters	United States	141	...	...	2,192	...	...
	United Kingdom	138	...	...	224	...	...
Chequered or surface pattern	United States	693	...	...	5,947	...	...
	United Kingdom	...	...	...	183	...	...
Sheets							
Silicon .075 or more	United States	...	1,955	...	...	13,008	...
	United Kingdom	...	4	...	...	210	...
Galvanized	United States	1,162	...	...	6,270	...	...
	United Kingdom	508	...	...	2,873	...	...
	France	2	...	...	2	...	...
Hot rolled							
18 gauge and heavier	United States	5,302	4	32.5	31,541	146	196.9
	United Kingdom	232	...	7.7	3,340	...	58.7
	Sweden	...	...	...	31	...	10.1
Lighter than 18 gauge	United States	...	...	...	591	3	27.8
	United Kingdom	...	...	...	...	...	34.4
Cold rolled							
18 gauge and heavier	United States	1,005	...	83.6	7,272	...	582.0
	United Kingdom	551	...	22.9	1,523	...	141.5
Lighter than 18 gauge	United States	1,785	...	131.8	13,147	...	954.0
	United Kingdom	1,295	...	7.8	5,254	...	86.8
	Belgium	6	...	...	318	...	...
Corrugated	United States	675	...	...	3,736	...	...
	United Kingdom	...	...	...	5	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, June, 1953 and Year to Date (Continued)

Table 15 - Imports of Primary Forms of Iron and Steel, June, 1953 and Year to Date (Continued)							
Commodity	Country of origin	June, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (Concluded)							
Coated with paint, tar, asphaltum, etc.	United States	147	...	...	930	...	...
For saws	United States	...	28	...	44	302	...
	United Kingdom	...	4	...	5	11	...
	Sweden	...	...	...	...	1	...
For hollow ware (vitreous enamel) ..	United States	826	...	...	4,246	...	...
	United Kingdom	1,410	...	...	6,255	...	...
	Belgium	...	...	...	73	...	...
Black plate - Tin mill	United States	39	...	...	105	...	...
For motor vehicles	United States	270	...	...	2,447	...	...
For heating apparatus	United States	...	...	...	98	...	...
For tubes	United States	...	...	...	497	...	...
Tin plate - Primes	United Kingdom	952	...	...	1,020	...	...
	United States	1,240	...	...	1,689	...	...
Electrolytic 50 pounds..	United States	...	...	...	966	...	...
Electrolytic 75 pounds..	United States	64	...	...	108	...	...
Terne plate - Long	United States	517	...	...	3,518	...	...
Short	United States	238	...	...	1,591	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,593	...	...	9,393	75	34.5
	Belgium	37	...	...	111	...	...
	France	...	...	...	65	...	...
Lighter than 18 gauge	United States	115	...	...	141	1	...
Cold rolled -							
18 gauge and heavier	United States	530	31	55.2	2,210	101	266.2
	United Kingdom	34	...	...	187	5	...
	Sweden	...	...	...	1	...	...
Lighter than 18 gauge	United States	414	6	139.3	2,568	50	752.6
	Sweden	...	67	...	175	70	.7
	United Kingdom	55	...	...	205	...	...
For cold rolling	United States	96	...	...	607	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	17	...	...	75	...	...
For saws	United States	...	67	...	39	262	...
	United Kingdom	...	...	...	...	5	...
	Sweden	...	14	...	1	93	...
For motor vehicles	United States	1,022	...	...	9,330	...	...
For tubes	United States	79	...	...	952	...	...
For tubular products	United States	30	...	...	552	...	...
	United Kingdom	20	...	...	20	...	...
Coated with paint, tar, asphaltum ..	United States	549	...	...	3,452	...	...
	Germany	20	...	...	39	...	...
	United Kingdom	...	...	...	3	...	...
Silicon .075 or more	United States	...	569	...	...	2,606	...
For butt hinges	United States	225	...	...	1,108	...	...
	United Kingdom	...	...	...	6	...	...
	Sweden	...	...	...	1	...	...
For hoops	United States	...	...	...	362	...	...
	United Kingdom	...	...	...	375	...	...
Galvanized strip	United States	487	...	...	2,923	...	...
	United Kingdom	29	...	...	159	...	...
	Germany	...	...	...	5	...	...
	Belgium	...	...	...	5	...	...

Primary Iron and Steel

Table 13 - Imports of Primary Forms of Iron and Steel, June, 1953 and Year to Date (Continued)

Commodity	Country of origin	June, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Skelp -							
15 $\frac{3}{8}$ " in width	United States	8,124	...	...	46,554	...	...
	France	...	...	...	7,711	...	...
	Belgium	...	...	...	6,609	...	...
	United Kingdom	...	...	...	49	...	...
	Germany	...	...	...	7	...	...
Over 15 $\frac{3}{8}$ " in width	United States	599	...	...	4,384	...	...
Plate	United States	50	...	...	989	...	...
Pipes and tubes -							
Cast	United States	50	...	...	520	...	...
	United Kingdom	4,631	...	...	11,408	...	...
Bedstead	United States	...	...	...	41	...	...
	United Kingdom	...	...	...	5	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	324	2	12.8	2,553	60	70.3
	United Kingdom	84	...	...	685	...	...
	Sweden	...	...	...	...	...	.9
	Germany	...	...	...	48	...	...
Cold drawn	United States	115	...	...	398	36	24.7
	United Kingdom	17	...	...	109	...	.2
	Sweden	79	...	...	79	...	...
Welded	United States	213	...	...	1,284	...	...
	United Kingdom	...	...	...	182	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	287	217	60.8	2,209	1,395	249.6
	United Kingdom	150	...	16.6	1,078	...	104.0
	Sweden	4	...	...	35	88	...
	Germany	...	...	...	61	...	...
Hot finished	United States	819	24	7.8	7,066	669	66.8
	United Kingdom	1,021	...	...	3,535	...	.2
	Sweden	...	...	...	...	84	...
	France	38	...	...	38	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	191	...	...	1,437	30	4.4
	United Kingdom	...	...	...	2,709	...	...
Welded, 4" and under in diameter..	United States	277	...	2.5	2,018	...	71.6
	United Kingdom	856	...	.2	5,280	...	.2
	Belgium	...	...	...	86	...	...
Welded, over 4" in diameter	United States	27,951	...	...	91,795	...	28.5
	United Kingdom	217	...	...	1,293	...	...
tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	28	...	...	214	...	...
Spiral welded	United States	215	...	...	845	...	...
Conduit	United States	154	...	...	2,038	...	...
	United Kingdom	...	...	...	5	...	...
Casings	United States	4,324	...	...	39,622	...	...
	United Kingdom	1,363	...	...	6,066	...	...
	Germany	...	...	...	1,629	...	...
	Japan	...	...	...	1,205	...	...
	Italy	...	...	...	1,465	...	...
Fittings and couplings	United States	621	...	6.9	2,808	5	42.1
	United Kingdom	41	...	...	249	...	...
	Germany	3	...	...	24	...	...
	Japan	...	...	...	26	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, June, 1953 and Year to Date (Continued)

Commodity	Country of origin	June, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire rope	United States	64	...	...	300	...	...
	United Kingdom	62	...	...	423	...	...
	Belgium	...	...	...	21	...	...
	Germany	24	...	...	127	...	...
	Norway	4	...	...	4	...	...
	Holland	18	...	...	18	...	...
Wire for rope	United States	456	...	.3	3,973	...	1.4
	United Kingdom	732	...	...	4,343	...	...
	Germany	...	...	...	5	...	...
Wire - For corset laces, steels, etc. .	United States	8	...	...	70	...	...
	United Kingdom	...	...	...	1	...	...
For spring mattresses, etc.	United States	437	...	...	2,897	...	...
	United Kingdom	161	...	...	644	...	...
Wire, coated	United States	157	...	...	305	...	...
	United Kingdom	1	...	...	8	...	...
	Germany	...	...	...	6	...	...
Wire, all other	United States	548	14	.9	2,056	132	11.2
	United Kingdom	5	...	...	70	...	...
	Germany	39	...	...	67	...	...
	Sweden	1	...	...	15	1	...
	Belgium	...	...	...	5	...	...
Wire rods, not over 3/8" in diameter ..	United States	222	...	...	2,089	...	...
	Belgium	689	...	...	1,793	...	...
	Germany	...	...	...	33	...	...
	United Kingdom	112	...	...	244	...	...
	France	275	...	...	697	...	...
	Sweden	...	...	...	44	...	...
Welding wire and welding rods	United States	185	18	1.8	1,729	265	6.6
	United Kingdom	...	...	...	...	1	.2
<hr/>							
Castings -							
For agricultural implements	United States	38	...	...	314	...	...
For ingot moulds	United States	2,563	...	...	17,421	...	...
	United Kingdom	...	...	...	272	...	...
Malleable	United States	12	...	...	103	...	...
Non-malleable	United States	45	...	...	205	...	...
Steel	United States	43	...	...	186	8	...
	United Kingdom	...	...	...	4	...	...
	France	25	...	...	46	...	...
	Norway	50	...	...	198	...	...
	United States	...	...	...	29	...	...
Rolls	United States	392	124	...	2,412	621	...
Piston rings (rough)	United Kingdom	54	23	...	119	53	...
	United States	4	...	...	96	...	...
<hr/>							
Forgings	United States	21	...	...	283	57	1.7
	United Kingdom	67	...	...	356	...	...
	Germany	...	...	...	12	...	...
Wheels - For railway rolling stock	United States	40	...	...	307	...	...
	United Kingdom	971	...	...	3,460	...	...
Tires - For railway rolling stock	United States	...	...	...	52	...	...
	United Kingdom	295	...	...	404	...	...
Axles - For railway vehicles	United States	208	...	...	750	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, June, 1953 and Year to Date (Concluded)

Imports of Rails, Ties, and Steel, June, 1953 and Year to Date (Continued)							
Commodity	Country of origin	June, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Rails -							
60 lb. and under	United States	125	...	...	581	...	...
	Belgium	62	...	...	422	...	...
	United Kingdom	...	...	...	53	...	...
Over 60 lb. and including 100 lb. ...	United States	159	...	...	822	...	...
	United Kingdom	...	...	...	808	...	...
Over 100 lb.	United States	150	...	...	281	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	641	...	...	1,893	...	...
	Belgium	3	...	...	15	...	...
	United Kingdom	...	...	...	52	...	...
Intersections, switches, frogs	United States	94	...	...	180	...	...
	Belgium	...	...	...	1	...	...
Total imports	United States	96,395	3,625	701.5	558,864	23,938	4,074.3
	All other	33,035	189	93.2	143,111	1,644	634.0
TOTAL		129,430	3,814	794.7	701,975	25,582	4,708.3

Table 14 - Exports of Primary Iron and Steel, June, 1953 and Year to Date

	June, 1953	Year to date
(Tons of 2,000 pounds)		
Pig iron	46,228	133,172
Ingots, blooms and billets	12,066	113,838
Bars	683	13,194
Rods .....	...	107
Plates, sheets and strips	11,740	62,764
Rails	1,190	1,490
Structural shapes	344	3,611
Pipe and tubing - Wrought iron	33	137
Cast iron .....	...	177
Galvanized	33	63
Other	78	766
Castings, iron and steel	475	5,405
Forgings	729	6,545
Total	73,599	341,269



BAROMETRICS FILE 17

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PRIMARY IRON AND STEEL

JULY - 1953

Pig Iron - Production of pig iron in Canada amounted to 272,958 tons in July compared with 229,561 tons in the corresponding month of last year. The total for the current month included 208,699 tons of basic iron, 17,837 tons of foundry iron and 46,422 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in July amounted to 12,124 tons compared with 11,997 tons in the previous month and with 15,508 tons in July of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during July, 1953, totalled 323,385 tons compared with 293,072 tons in July of last year. Output in the month under review included 315,203 tons of ingots and 8,182 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During July, 1952 and 1953

	July, 1952		July, 1953	
	Tonnage	Tonnage	Tonnage	Tonnage
	made (★)	shipped	made (★)	shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	181,754	18,655	208,699	11,129
Foundry	12,177	17,040	17,837	8,572
Malleable	35,630	26,125	46,422	43,826
Total pig iron	229,561	61,820	272,958	63,527
<u>Ferro-alloys</u>	15,508	15,686	12,124	10,740

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Seven Months Ended July, 1952 and 1953

	1952		1953	
	Tonnage	Tonnage	Tonnage	Tonnage
	made (★)	shipped	made (★)	shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	1,213,694	93,553	1,419,191	49,323
Foundry	120,878	119,889	94,027	82,826
Malleable	224,734	211,665	247,324	228,289
Total pig iron	1,559,306	425,107	1,760,542	360,438
<u>Ferro-alloys</u>	140,793	135,615	102,617	94,174

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During July and Seven Months Ended July, 1952 and 1953

	July		Seven months ended July	
	1952	1953	1952	1953
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	142,716	123,424	875,243	777,358
Imported	264,641	360,480	1,940,265	2,253,785
Mill cinder, scale, sinter, etc..	36,669	60,496	213,754	411,381
Limestone	83,900	102,278	588,512	618,872
Dolomite	16,440	26,371	118,513	172,300
Coke	209,794	258,280	1,460,664	1,646,911
Scrap iron and steel	11,695	7,168	56,176	63,705

Table 4 - Description of Iron Blast Furnaces at End of July, 1953

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	13	3,229,000	95.6
Banked	1	114,000	3.4
Blown out	1	35,000	1.0
Total	15	3,378,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During July, 1952 and 1953

Table 3 - Production and Sales During July, 1952 and 1953

	July, 1952		July, 1953	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel Ingots</u>				
Open hearth - basic	241,533	8,131	280,136	120
Electric	43,463	3,765	35,067	13
Total steel ingots	284,996	11,896	315,203	133
Alloy steel ingots included in above	14,178	83	8,253	13
<u>Steel Castings</u>				
Open hearth - basic	1,615	1,305	1,672	1,289
Converter	10	32	35	40
Electric	6,451	5,367	6,475	4,680
Total steel castings	8,076	6,704	8,182	6,009
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	146	101	302	265
(b) High alloy, manganese and abrasion resistant	1,154	1,176	1,216	1,230
(c) All other alloys	995	318	1,111	234

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Seven Months Ended July, 1952 and 1953

	1 9 5 2		1 9 5 3	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel Ingots</u>				
Open hearth - basic	1,783,347	96,086	2,089,403	45,382
Electric	335,453	12,372	292,078	517
Total steel ingots	2,118,800	108,458	2,381,481	45,899
Alloy steel ingots included in above	121,035	372	120,851	199
<u>Steel Castings</u>				
Open hearth - basic	20,207	18,309	18,134	15,416
Converter	250	210	289	213
Electric	56,730	42,441	46,887	35,573
Total steel castings	77,187	60,960	65,310	51,202
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	763	656	921	677
(b) High alloy, manganese and abrasion resistant	12,695	11,158	8,466	7,565
(c) All other alloys	6,289	2,344	6,921	1,564

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces During July, 1952 and 1953 and Seven Months Ended July, 1953

	July 1952	July 1953	Seven months ended July, 1953
(Net tons of 2,000 pounds)			
Pig iron	158,673	187,151	1,355,233
Scrap - Own make	80,950	93,322	674,072
Purchased	83,244	75,645	662,803

Table 8 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1952 and 1953

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
1 9 5 2					
January	209,153	21,458	303,721	11,313	315,034
February	199,162	22,171	291,846	11,519	303,365
March	240,755	23,097	325,385	11,511	336,896
April	214,330	19,856	302,456	11,685	314,141
May	237,079	21,112	316,390	11,634	328,024
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	284,996	8,076	293,072
Total seven months	1,559,306	140,793	2,118,800	77,187	2,195,987
August	221,387	16,583	277,759	9,339	287,098
September	222,686	17,641	274,662	10,334	284,996
October	220,464	19,152	297,093	9,011	306,104
November	225,490	19,430	297,874	8,400	306,274
December	232,732	18,437	311,918	7,766	319,684
Total	2,682,065	232,036	3,578,106	122,037	3,700,143
1 9 5 3					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
Total seven months	1,760,542	102,617	2,381,481	65,310	2,446,791

Note: Ingots figures for 1952 are revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 238,597 net tons in July, 1953, compared with 270,235 tons in July, 1952. The July shipments included 7,600 tons of semi-finished shapes, 17,054 tons of structurals, 15,962 tons of plates, 18,774 tons of rails, 7,174 tons of tie plates and track material, 37,564 tons of hot rolled bars, 22,959 tons of pipes and tubes, 17,584 tons of wire rods, 36,405 tons of black sheets, 7,926 tons of galvanized sheets, 8,126 tons of castings, and 41,469 tons of other rolled products. The amount of producers' interchange was 123,216 tons in July, 1953, as against 132,799 tons in July, 1952.

Of the amounts shipped for sale during July, 40,441 tons went direct to railways and railway car shops; 10,605 tons went to pressing, forming and stamping plants; 21,819 tons to merchant trade products; 36,547 tons to building construction; 22,430 tons to the containers industry; 5,993 tons to agricultural equipment; 20,129 tons to the automotive industry; 11,026 tons to machinery plants; 1,425 tons to shipbuilding; 14,296 tons to mining, lumbering, etc., and 7,497 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 35,511 tons, and exports for 10,878 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 123,216 tons in July.

Table 9 - Production and Producers' Shipments of Primary Iron and Steel Shapes, July, 1953

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	9,837	5,232	4,637
Other semi-finished shapes, not for re-rolling by makers	28,938	152	17,487
Structural shapes and piling	20,462	17,054	16
Plates	16,618	15,948	...
Rails	23,353	18,774	...
Tie plates and track material: Splice bars	1,687	1,767	...
Tie plates	4,866	4,588	...
Spikes	805	819	...
Concrete reinforcing bars	12,747	12,133	...
Hot rolled bars for cold finishing	1,333	...	1,202
Other hot rolled bars	30,842	29,277	4,839
Pipes and tubes	20,505	22,959	...
Wire rods	16,020	17,465	89
Hot rolled black sheets	76,794	18,144	56,797
Cold reduced black sheets	25,039	18,261	5,748
Galvanized sheets	8,209	7,926	...
Steel castings	5,592	5,869	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	54,961	28,479	31,533
Total carbon steel	358,608	224,847	122,348
<u>Alloy Steel</u>			
Billets, etc., for forging	2,196	2,216	...
Other semi-finished shapes, not for re-rolling by makers	850	...	850
Structural shapes and piling .....	...	...	...
Plates	100	14	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	7,368	8,287	18
Pipes and tubes .....	...	...	...
Wire rods	118	119	...
Steel castings	2,314	2,257	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.) .	829	857	...
Total alloy steel	13,775	13,750	868

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Seven Months Ended July, 1953

	<u>P r o d u c t i o n</u> (Including producers' interchange)	<u>S h i p m e n t s</u> For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	81,793	56,060	25,363
Other semi-finished shapes, not for re-rolling by makers	197,921	58,362	107,085
Structural shapes and piling	115,268	122,357	21
Plates	134,082	135,455	...
Rails	145,272	138,495	...
Tie plates and track material: Splice bars	10,018	10,004	...
Tie plates	28,650	26,685	...
Spikes	8,998	9,111	...
Concrete reinforcing bars	89,719	88,974	...
Hot rolled bars for cold finishing	9,877	...	9,690
Other hot rolled bars	312,026	253,452	48,158
Pipes and tubes	153,902	150,270	18

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Seven Months Ended July, 1953 (Concluded)

	1935 (Concluded)	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
		(Tons of 2,000 pounds)		
<u>Carbon Steel (Concluded)</u>				
Wire rods	162,781	162,239	767	
Hot rolled black sheets	537,803	155,801	377,691	
Cold reduced black sheets	146,070	104,354	39,431	
Galvanized sheets	63,682	63,650	37	
Steel castings	47,217	46,358	...	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	487,469	225,700	249,161	
Total carbon steel	2,732,548	1,807,327	857,422	
<u>Alloy Steel</u>				
Billets, etc., for forging	11,783	12,314	...	
Other semi-finished shapes, not for re-rolling by makers	5,198	...	5,198	
Structural shapes and piling .....	...	...	...
Plates	1,338	1,305	...	
Hot rolled bars for cold finishing	64	...	61	
Other hot rolled bars	61,399	64,223	65	
Pipes and tubes .....	...	...	...
Wire rods	587	790	...	
Steel castings	16,652	15,344	...	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.) ..	8,596	8,425	...	
Total alloy steel	105,617	102,401	5,324	

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 11 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, July, 1953 and Year to Date

	July, 1953		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	11,757	8,372	137,189	58,420
Agricultural, including farm machinery ...	5,855	138	57,984	921
Building construction	36,510	37	237,694	424
Containers industry	22,370	60	165,573	361
Machinery and tools	10,411	615	92,527	5,158
Merchant trade products	21,620	199	206,474	2,617
Mining, lumbering, etc.	13,430	866	89,780	6,961
National defence	4,172	192	33,310	2,780
Pressing, forming and stamping	10,509	96	81,174	921
Public works and utilities	1,699	50	13,597	333
Railway operating	28,240	111	208,498	1,888
Railway cars and locomotives	12,030	60	111,124	1,824
Shipbuilding	1,377	48	21,026	507
Miscellaneous and unclassified	1,247	137	7,243	1,484
Wholesalers and warehouses	35,365	146	237,476	1,111
Direct export (a) to British Empire	2	25	30,282	490
(b) to other countries	8,253	2,598	76,375	16,201
Total shipped for sale	224,847	13,750	1,807,327	102,401
Producers' interchange	122,348	868	857,422	5,324

Table 13 - Imports of Primary Forms of Iron and Steel, July, 1953 and Year to Date

Commodity	Country of origin	July, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	133	...	...	659	...	...
Malleable	United States	...	...	...	3,301	...	...
	France	...	...	...	110	...	...
Silvery	United States	273	...	...	1,339	...	...
Foundry	United States	...	...	...	3,047	...	...
	Australia	2,248	...	...	2,361	...	...
Ingots	United States	225	...	...	1,058	54	...
Billets, blooms, slabs and sheet bars ..	United States	16	11	...	56	48	...
Tube rounds and tube billets	United States	118	...	...	1,302	...	1.9
Bars and sections -							
Hot rolled, n.o.p.	United States	4,468	595	177.0	27,010	3,603	203.4
	United Kingdom	431	262	17.5	1,307	649	29.1
	Belgium	681	...	...	7,216	...	...
	France	452	...	...	1,445	...	...
	Japan	...	...	...	112	...	...
	Germany	...	...	...	27	...	...
	Austria	1	...	...	10	...	...
Hot rolled -							
For agricultural implements	United States	437	...	...	4,126	7	...
	United Kingdom	...	...	...	33	...	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4" ...	United States	103	3	...	738	119	...
	United Kingdom	16	...	...	468	160	10.4
	Belgium	18	...	...	75	...	...
	France	...	...	...	24	...	...
Angles, channels, etc.	United States	751	...	4.8	8,005	...	60.4
	Belgium	673	...	...	2,428	...	...
	United Kingdom	22	...	...	63	...	.1
	France	18	...	...	256	...	...
	Germany	...	...	...	1	...	...
	Japan	...	...	...	108	...	...
Structurals (bar sizes) for							
agricultural implements	United States	174	...	...	3,358	...	...
Sash or casement sections	United States	206	...	...	1,608	...	...
	Belgium	...	...	...	97	...	...
	United Kingdom	...	...	...	90	...	...
Cold finished, n.o.p.	United States	649	16	5.3	4,850	128	35.3
	United Kingdom	156	...	1.1	906	47	10.9
	Belgium	125	...	...	412	...	...
	Sweden	...	...	...	10	...	...
	France	...	...	...	12	...	...
Cold finished, for agricultural							
implements	United States	296	...	...	2,360	...	...
Tool steel	United States	1	39	...	160	368	...
	United Kingdom	29	53	...	294	481	...
Structurals	United States	16,288	...	...	104,979	...	...
	United Kingdom	957	...	...	3,265	...	...
	Belgium	6,170	...	...	19,334	...	...
	France	1,292	...	...	4,046	...	...
	Japan	...	...	...	18	...	...
	Germany	22	...	...	22	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, July, 1953 and Year to Date (Continued)

Commodity	Country of origin	July, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Plates -							
78" and under in width	United States	4,741	28	56.0	30,408	471	448.9
	United Kingdom	1,536	...	29.6	9,880	...	193.8
	Germany	231	...	...	1,503	...	...
	Japan	2,276	...	...	4,412	...	...
	Belgium	569	...	...	1,659	...	...
Over 78" and under 100" in width	United States	3,197	...	10.0	22,588	...	36.3
	United Kingdom	984	...	...	10,725	...	...
	Japan	...	...	...	29	...	...
100" in width and over	United States	543	...	...	2,988	...	139.8
	United Kingdom	64	...	...	394	...	...
Flanged, dished or curved	United States	124	...	...	911	...	8.5
Boiler, pulp-mill digesters	United States	422	...	...	2,614	...	...
	United Kingdom	...	...	...	224	...	...
Chequered or surface pattern	United States	818	...	...	6,765	...	...
	United Kingdom	...	...	...	183	...	...
Sheets -							
Silicon .075 or more	United States	...	1,442	...	...	14,450	...
	United Kingdom	...	3	...	...	213	...
Galvanized	United States	777	...	...	7,047	...	...
	United Kingdom	482	...	...	3,355	...	...
	France	...	...	...	2	...	...
Hot rolled -							
18 gauge and heavier	United States	5,270	30	16.5	36,811	176	213.4
	United Kingdom	745	...	27.6	4,085	...	86.3
	Sweden	...	...	...	31	...	10.1
	Belgium	13	...	...	13	...	...
	Japan	167	...	...	167	...	...
Lighter than 18 gauge	United States	108	1	...	699	4	27.8
	United Kingdom	111	...	...	111	...	34.4
Cold rolled -							
18 gauge and heavier	United States	769	...	83.8	8,041	...	665.8
	United Kingdom	274	...	54.9	1,797	...	196.4
	Sweden	3	...	...	3	...	...
Lighter than 18 gauge	United States	1,986	...	123.9	15,133	...	1,077.9
	United Kingdom	1,777	...	56.5	7,031	...	143.3
	Belgium	...	...	...	318	...	...
Corrugated	United States	387	...	...	4,123	...	...
	United Kingdom	...	...	...	5	...	...
	Germany	22	...	...	22	...	...
Coated with paint, tar, asphaltum, etc.	United States	129	...	...	1,059	...	...
For saws	United States	...	65	...	44	367	...
	United Kingdom	1	...	...	6	11	...
	Sweden	...	...	...	...	1	...
For hollow ware (vitreous enamel)	United States	508	...	...	4,754	...	...
	United Kingdom	939	...	...	7,194	...	...
	Belgium	...	...	...	73	...	...
Black plate - Tin mill	United States	...	...	...	105	...	...
For motor vehicles	United States	...	...	...	2,447	...	...
For heating apparatus	United States	22	...	...	120	...	...
For tubes	United States	...	...	...	497	...	...
Tin plate - Primes	United Kingdom	...	...	...	1,020	...	...
	United States	691	27	...	2,380	27	...
	United States	...	...	...	966	...	...
Electrolytic 50 pounds ...	United States	...	...	...	108	...	...
Electrolytic 75 pounds ...	United States	...	...	...	...	...	...
Terne plate - Long	United States	399	...	...	3,917	...	...
Short	United States	189	...	...	1,780	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, July, 1953 and Year to Date (Continued)

Commodity	Country of origin	July, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,329	15	...	10,722	90	34.5
	Belgium	120	...	...	231	...	...
	France	...	...	...	65	...	...
Lighter than 18 gauge	United States	10	...	...	151	1	...
Cold rolled -							
18 gauge and heavier	United States	322	7	29.5	2,532	108	295.7
	United Kingdom	50	...	...	237	5	...
	Sweden	...	1	...	1	1	...
Lighter than 18 gauge	United States	275	1	80.3	2,843	51	832.9
	Sweden	...	3	...	175	73	.7
	United Kingdom	200	...	.5	405	...	.5
	Belgium	5	...	...	5	...	...
For cold rolling	United States	20	...	...	627	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	52	...	...	127	...	...
	United Kingdom	19	...	...	19	...	...
For saws	United States	3	46	...	42	308	...
	United Kingdom	...	...	...	...	5	...
	Sweden	...	12	...	1	105	...
For motor vehicles	United States	884	...	...	10,214	...	...
For tubes	United States	103	...	...	1,055	...	...
For tubular products	United States	36	...	...	588	...	...
	United Kingdom	...	...	...	20	...	...
Coated with paint, tar, asphaltum	United States	316	...	...	3,768	...	...
	Germany	5	...	...	44	...	...
	United Kingdom	...	...	...	3	...	...
Silicon .075 or more	United States	...	282	...	...	2,888	...
For butt hinges	United States	35	...	...	1,143	...	...
	United Kingdom	...	...	...	6	...	...
	Sweden	...	...	...	1	...	...
For hoops	United States	52	...	...	414	...	...
	United Kingdom	34	...	...	409	...	...
Galvanized strip	United States	277	...	...	3,200	...	...
	United Kingdom	72	...	...	231	...	...
	Germany	1	...	...	6	...	...
	Belgium	...	...	...	5	...	...
Skelp -							
15 $\frac{3}{8}$ " in width	United States	6,167	...	...	52,721	...	...
	France	...	...	...	7,711	...	...
	Belgium	...	...	...	6,609	...	...
	United Kingdom	...	...	...	49	...	...
	Germany	...	...	...	7	...	...
Over 15 $\frac{3}{8}$ " in width	United States	714	...	...	5,098	...	...
Plate	United States	...	...	...	989	...	...
Pipes and tubes -							
Cast							
	United States	25	...	...	545	...	...
	United Kingdom	3,615	...	...	15,023	...	...
Bedstead							
	United States	1	...	...	42	...	...
	United Kingdom	...	...	...	5	...	...
Repair of pressure parts of boilers -							
Hot finished							
	United States	289	...	8.5	2,842	60	78.8
	United Kingdom	133	...	...	818	...	...
	Sweden	...	...	...	...	...	.9
	Germany	...	...	...	48	...	...
Cold drawn							
	United States	16	...	1.3	414	36	26.0
	United Kingdom	18	...	...	127	...	.2
	Sweden	3	...	...	82	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, July, 1953 and Year to Date (Continued)

Commodity	Country of origin	July, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
Pipes and tubes - (Concluded)		(Tons of 2,000 pounds)					
Repair of pressure parts of boilers - (Concluded)							
Welded	United States	166	...	...	1,450	...	...
	United Kingdom	188	...	...	370	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	238	167	13.5	2,447	1,562	263.1
	United Kingdom	229	3	12.1	1,306	3	116.1
	Sweden	14	...	...	49	88	...
	Germany	...	...	...	61	...	...
Hot finished	United States	986	32	13.9	8,052	701	80.7
	United Kingdom	509	...	...	4,044	...	.2
	Sweden	...	...	...	...	84	...
	France	...	...	...	38	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	593	...	...	2,030	30	4.4
	United Kingdom	1,794	...	...	4,503	...	...
Welded, 4" and under in diameter ...	United States	327	...	2.3	2,345	...	73.9
	United Kingdom	1,485	...	...	6,765	...	.2
	Belgium	10	...	...	96	...	...
Welded, over 4" in diameter	United States	1,240	...	.3	93,035	...	28.8
	United Kingdom	555	...	...	1,848	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	30	...	...	244	...	...
Spiral welded	United States	424	...	...	1,269	...	...
Conduit	United States	229	...	...	2,267	...	...
	United Kingdom	...	...	...	5	...	...
Casings	United States	6,332	...	...	45,954	...	...
	United Kingdom	1,817	...	...	7,883	...	...
	Germany	...	...	...	1,629	...	...
	Japan	...	...	...	1,205	...	...
	Italy	...	...	...	1,465	...	...
Fittings and couplings	United States	483	...	9.9	3,291	5	52.0
	United Kingdom	60	...	...	309	...	...
	Germany	...	...	...	24	...	...
	Japan	44	...	...	70	...	...
Wire rope	United States	35	...	...	335	...	...
	United Kingdom	91	...	...	514	...	...
	Belgium	...	...	...	21	...	...
	Germany	13	...	...	140	...	...
	Norway	...	...	...	4	...	...
	Holland	...	...	...	18	...	...
Wire for rope	United States	306	...	...	4,279	...	1.4
	United Kingdom	935	...	...	5,278	...	...
	Germany	...	...	...	5	...	...
Wire - For corset laces, steels, etc. ..	United States	5	...	...	75	...	...
	United Kingdom	...	...	...	1	...	...
For spring mattresses, etc.	United States	526	...	...	3,423	...	...
	United Kingdom	35	...	...	679	...	...
Wire, coated	United States	32	...	...	337	...	...
	United Kingdom	30	...	...	38	...	...
	Germany	...	...	...	6	...	...
Wire, all other	United States	248	5	2.7	2,304	137	13.9
	United Kingdom	27	...	...	97	...	...
	Germany	...	1	...	67	1	...
	Sweden	...	...	...	15	1	...
	Belgium	50	...	...	55	...	...
Wire rods, not over 3/8" in diameter ...	United States	449	...	...	2,538	...	...
	Belgium	601	...	...	2,394	...	...
	Germany	...	...	...	33	...	...
	United Kingdom	540	...	...	784	...	...
	France	...	...	...	697	...	...
	Sweden	32	...	...	76	...	...
Welding wire and welding rods	United States	32	33	.2	1,761	298	6.8
	United Kingdom	...	...	...	...	1	...

Table 13 - Imports of Primary Forms of Iron and Steel, July, 1953 and Year to Date (Concluded)

Commodity		Country of origin	July, 1953			Year to date		
			Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)								
Castings -								
For agricultural implements	United States	195	...	...	509	...	...
For ingot moulds	United States	2,426	...	...	19,847	...	...
	United Kingdom	...	...	...	272	...	...
Malleable	United States	2	...	...	105	...	...
Non-malleable	United States	36	...	...	241	...	...
Steel	United States	32	...	...	218	8	...
	United Kingdom	...	...	...	4	...	...
	France	...	...	...	46	...	...
	Norway	...	...	...	198	...	...
For railway vehicles	United States	...	...	...	29	...	...
Rolls	United States	349	14	...	2,761	635	...	
	United Kingdom	...	17	...	119	70	...	
Piston rings (rough)	United States	3	...	...	99	...	...
Forgings								
	United States	139	...	...	422	57	1.7
	United Kingdom	...	...	...	356	...	...
	Germany	...	...	...	12	...	...
Wheels - For railway rolling stock	United States	27	...	...	334	...	...
	United Kingdom	1,390	...	...	4,850	...	...
Tires - For railway rolling stock	United States	3	...	...	55	...	...
	United Kingdom	179	...	...	583	...	...
Axles - For railway vehicles	United States	...	...	...	750	...	...
Rails -								
60 lb. and under	United States	60	...	...	641	...	...
	Belgium	166	...	...	588	...	...
	United Kingdom	...	...	...	53	...	...
Over 60 lb. and including 100 lb.	United States	150	...	...	972	...	...
	United Kingdom	...	...	...	808	...	...
Over 100 lb.	United States	2,049	...	...	2,330	...	...
	United Kingdom	2	...	...	2	...	...
Track material -								
Angles, bars, tie plates, rail joints..	United States	1,640	...	...	3,533	...	...
	Belgium	10	...	...	25	...	...
	United Kingdom	45	...	...	97	...	...
Intersections, switches, frogs	United States	4	...	...	184	...	...
	Belgium	...	...	...	1	...	...
Total imports		United States	75,940	2,859	639.7	634,804	26,797	4,714.0
		All other	38,630	355	199.8	181,741	1,999	833.8
TOTAL			114,570	3,214	839.5	816,545	28,796	5,547.8

Table 14 - Exports of Primary Iron and Steel, July, 1953 and Year to Date

	July, 1953	Year to date
	(Tons of 2,000 pounds)	
Pig iron	43,363	176,535
Ingots, blooms and billets	6,247	120,085
Bars	1,008	14,202
Rods	1	108
Plates, sheets and strips	5,648	68,412
Rails	1,955	3,445
Structural shapes	58	3,669
Pipe and tubing - Wrought iron ....	...	137
Cast iron	16	193
Galvanized .....	...	63
Other	233	999
Castings, iron and steel	318	5,723
Forgings	1,251	7,796
Total	60,098	401,367



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PRIMARY IRON AND STEEL

AUGUST - 1953

Pig Iron - Production of pig iron in Canada amounted to 267,249 tons in August, 1953, compared with 221,387 tons in the corresponding month of last year. The total for the current month included 212,926 tons of basic iron, 45,380 tons of malleable iron and 8,943 tons of foundry iron.

Ferro-alloys - Output of ferro-alloys in August, 1953, amounted to 11,416 tons compared with 12,124 tons in the previous month and with 16,583 tons in August of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during August, 1953, totalled 338,703 tons compared with 287,098 tons in August of last year. Output in the month under review included 331,678 tons of ingots and 7,025 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During August, 1952 and 1953

	<u>August, 1952</u>		<u>August, 1953</u>	
	<u>Tonnage made (★)</u>	<u>Tonnage shipped</u>	<u>Tonnage made (★)</u>	<u>Tonnage shipped</u>
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	177,944	18,535	212,926	12,094
Foundry	13,707	12,934	8,943	10,726
Malleable	29,736	27,900	45,380	45,981
Total pig iron	221,387	59,369	267,249	68,801
<u>Ferro-alloys</u>	16,583	14,172	11,416	11,436

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Eight Months Ended August, 1952 and 1953

	<u>1952</u>		<u>1953</u>	
	<u>Tonnage made (★)</u>	<u>Tonnage shipped</u>	<u>Tonnage made (★)</u>	<u>Tonnage shipped</u>
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	1,391,638	112,088	1,632,117	61,417
Foundry	134,585	132,823	102,970	93,552
Malleable	254,470	239,565	292,704	274,270
Total pig iron	1,780,693	484,476	2,027,791	429,239
<u>Ferro-alloys</u>	157,376	149,787	114,033	105,610

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During August and Eight Months Ended August, 1952 and 1953

	<u>August</u>		<u>Eight months ended August</u>	
	<u>1952</u>	<u>1953</u>	<u>1952</u>	<u>1953</u>
	(Net tons of 2,000 pounds)			
<u>Iron ore - Canadian</u>	127,738	152,372	1,002,981	929,730
Imported	268,130	316,172	2,208,395	2,569,957
<u>Mill cinder, scale, sinter, etc.</u> ...	39,283	66,949	253,037	478,330
<u>Limestone</u>	80,343	92,421	668,855	711,293
<u>Dolomite</u>	15,881	40,124	134,394	212,424
<u>Coke</u>	202,967	231,657	1,663,631	1,878,568
<u>Scrap iron and steel</u>	10,840	5,745	67,016	69,450

Table 4 - Description of Iron Blast Furnaces at End of August, 1953

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	12	3,392,000	88.8
Banked	2	277,000	7.3
Blown out	2	149,000	3.9
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During August, 1952 and 1953

	1952		1953	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	240,360	10,058	292,393	65
Electric	37,399(★★)	2,539(★★)	39,285	17
Total steel ingots	277,759	12,597	331,678	82
Alloy steel ingots included in above	15,060	29	14,475	65
<u>Steel Castings</u>				
Open hearth - basic	3,131	2,855	2,057	1,766
Converter	30	51	...	...
Electric	6,178	5,371	4,968	4,800
Total steel castings	9,339	8,277	7,025	6,626
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	95	77	66	58
(b) High alloy, manganese and abrasion resistant	1,196	1,264	1,158	1,184
(c) All other alloys	699	474	626	311

(★) Includes amounts for sale and for own use.

(★★) Revised.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Eight Months Ended August, 1952 and 1953

	1952		1953	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	2,023,707	106,144	2,381,796	45,447
Electric	372,852(★★)	14,911(★★)	331,363	534
Total steel ingots	2,396,559	121,055	2,713,159	45,981
Alloy steel ingots included in above ..	136,095	401	135,326	264
<u>Steel Castings</u>				
Open hearth - basic	23,338	21,164	20,191	17,182
Converter	280	261	289	213
Electric	62,908	47,812	51,855	40,373
Total steel castings	86,526	69,237	72,335	57,828
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	858	733	987	735
(b) High alloy, manganese and abrasion resistant	13,891	12,422	9,624	8,749
(c) All other alloys	6,988	2,818	7,547	1,875

(★) Includes amounts for sale and for own use.

(★★) Revised.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces During August, 1952 and 1953 and Eight Months Ended August, 1953

	August 1952	August 1953	Eight months ended August, 1953
(Net tons of 2,000 pounds)			
Pig iron	160,607	198,564	1,553,797
Scrap - Own make	76,109	96,257	770,329
Purchased	79,060	79,630	742,433

Table 8 - Steel Furnace Capacity at First of January, 1953 (★)

	Annual capacity
(Net tons of 2,000 pounds)	
Ingots - Basic open hearth	3,757,300
Electric	714,400
Total ingots	4,471,700
Steel castings	312,400
Total ingots and castings	4,784,100

(★) Revised.

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1952 and 1953

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots(★)	Castings	Total steel
			(Net tons of 2,000 pounds)		
<u>1952</u>					
January	209,153	21,458	303,721	11,313	315,034
February	199,162	22,171	291,846	11,519	303,365
March	240,755	23,097	325,385	11,511	336,896
April	214,330	19,856	302,456	11,685	314,141
May	237,079	21,112	316,390	11,634	328,024
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	284,996	8,076	293,072
August	221,387	16,583	277,759	9,339	287,098
Total eight months	1,780,693	157,376	2,396,559	86,526	2,483,085
September	222,686	17,641	274,662	10,334	284,996
October	220,464	19,152	297,093	9,011	306,104
November	225,490	19,430	297,874	8,400	306,274
December	232,732	18,437	311,918	7,766	319,684
Total	2,682,065	232,036	3,578,106	122,037	3,700,143
<u>1953</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
Total eight months	2,027,791	114,033	2,713,159	72,335	2,785,494

(★) Revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 251,409 net tons in August, 1953, compared with 232,669 tons in August, 1952. The August, 1953, shipments included 7,664 tons of semi-finished shapes, 16,761 tons of structurals, 15,406 tons of plates, 28,890 tons of rails, 6,837 tons of tie plates and track material, 37,542 tons of hot rolled bars, 16,127 tons of pipes and tubes, 20,204 tons of wire rods, 37,562 tons of black sheets, 8,242 tons of galvanized sheets, 7,954 tons of castings, and 48,220 tons of other rolled products. The amount of producers' interchange was 118,658 tons in August, 1953, as against 126,279 tons in August, 1952.

Of the amounts shipped for sale during August, 53,526 tons went direct to railways and railway car shops; 12,461 tons went to pressing, forming and stamping plants; 23,915 tons to merchant trade products; 37,016 tons to building construction; 26,587 tons to the containers industry; 8,236 tons to agricultural equipment; 16,808 tons to the automotive industry; 9,949 tons to machinery plants; 1,531 tons to shipbuilding; 7,063 tons to mining, lumbering, etc., and 8,008 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 36,062 tons, and exports for 10,247 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 118,658 tons in August, 1953.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, August, 1953

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	8,324	5,784	3,231
Other semi-finished shapes, not for re-rolling by makers	20,791	113	14,937
Structural shapes and piling	15,406	16,761	...
Plates	15,288	14,922	...
Rails	27,653	28,890	...
Tie plates and track material: Splice bars	916	734	...
Tie plates	3,667	5,358	...
Spikes	758	745	...
Concrete reinforcing bars	15,940	14,872	...
Hot rolled bars for cold finishing	310	1	429
Other hot rolled bars	38,786	32,413	5,494
Pipes and tubes	12,675	16,127	...
Wire rods	21,287	20,194	53
Hot rolled black sheets	76,176	18,078	55,692
Cold reduced black sheets	26,250	19,484	6,873
Galvanized sheets	8,644	8,242	...
Steel castings	5,351	6,202	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	63,379	32,676	31,677
Total carbon steel	361,601	241,596	118,386
<u>Alloy Steel</u>			
Billets, etc., for forging	1,943	1,767	...
Other semi-finished shapes, not for re-rolling by makers	263	...	263
Structural shapes and piling .....	...	...	...
Plates	482	484	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,275	5,128	9
Pipes and tubes .....	...	...	...
Wire rods	180	10	...
Steel castings	1,479	1,752	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	712	672	...
Total alloy steel	11,334	9,813	272

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants, or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Eight Months Ended August, 1953

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	90,117	61,844	28,594
Other semi-finished shapes, not for re-rolling by makers	218,712	58,475	122,022
Structural shapes and piling	130,674	139,118	21
Plates	149,370	150,377	...
Rails	172,925	167,385	...
Tie plates and track material: Splice bars ...	10,934	10,738	...
Tie plates	32,317	32,043	...
Spikes	9,756	9,856	...
Concrete reinforcing bars	105,659	103,846	...
Hot rolled bars for cold finishing	10,187	1	10,119
Other hot rolled bars	350,812	285,865	53,652
Pipes and tubes	166,577	166,397	18
Wire rods	184,068	182,433	820
Hot rolled black sheets	613,979	173,879	433,383
Cold reduced black sheets	172,320	123,838	46,304
Galvanized sheets	72,326	71,892	37
Steel castings	52,568	52,560	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	550,848	258,376	280,838
Total carbon steel	3,094,149	2,048,923	975,808
<u>Alloy Steel</u>			
Billets, etc., for forging	13,726	14,081	...
Other semi-finished shapes, not for re-rolling by makers	5,461	...	5,461
Structural shapes and piling .....	...	...	...
Plates	1,820	1,789	...
Hot rolled bars for cold finishing	64	...	61
Other hot rolled bars	67,674	69,351	74
Pipes and tubes .....	...	...	...
Wire rods	767	800	...
Steel castings	18,131	17,096	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	9,308	9,097	...
Total alloy steel	116,951	112,214	5,596

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants, or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, August, 1953 and Year to Date

	August, 1953		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	12,599	4,209	149,788	62,629
Agricultural, including farm machinery	8,127	109	66,111	1,030
Building construction	36,994	22	274,688	446
Containers industry	26,564	23	192,137	384
Machinery and tools	9,181	768	101,708	5,926
Merchant trade products	23,738	177	230,212	2,794
Mining, lumbering, etc.	6,082	981	95,862	7,942
National defence	4,184	279	37,494	3,059
Pressing, forming and stamping	12,358	103	93,532	1,024
Public works and utilities	2,168	18	15,765	351
Railway operating	39,044	185	247,542	2,073
Railway cars and locomotives	13,835	462	124,959	2,286
Shipbuilding	1,487	44	22,513	551
Miscellaneous and unclassified	1,218	141	8,461	1,625
Wholesalers and warehouses	35,982	80	273,458	1,191
Direct export (a) to British Empire ..	33	44	30,315	534
(b) to other countries .	8,002	2,168	84,377	18,369
Total shipped for sale	241,596	9,813	2,048,923	112,214
Producers' interchange	118,386	272	975,808	5,596

Table 13 - Imports of Primary Forms of Iron and Steel, August, 1953 and Year to Date

Table 15 - Imports of Primary Forms of Iron and Steel, August, 1953 and Year to Date							
Commodity	Country of origin	August, 1953			Year to date		
		Carbon	Alloy	Stain-less	Carbon	Alloy	Stain-less
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	...	...	...	659	...	...
Malleable	United States	...	...	...	3,301	...	...
	France	...	...	...	110	...	...
Silvery	United States	55	...	...	1,394	...	...
Foundry	United States	...	...	...	3,047	...	...
	Australia	223	...	...	2,584	...	...
Ingots	United States	169	...	...	1,227	54	...
Billets, blooms, slabs and sheet bars	United States	...	22	...	56	70	...
	United Kingdom	...	12	...	...	12	...
Tube rounds and tube billets	United States	340	...	...	1,642	...	1.9
Bars and sections -							
Hot rolled, n.o.p.	United States	5,179	450	2.6	32,189	4,053	206.0
	United Kingdom	207	3	14.4	1,514	652	43.5
	Belgium	1,585	...	...	8,801	...	...
	France	55	...	...	1,500	...	...
	Japan	...	...	...	112	...	...
	Germany	...	...	...	27	...	...
	Austria	...	...	...	10	...	...
	Sweden	1	...	...	1	...	...
Hot rolled -							
For agricultural implements	United States	449	1	...	4,575	8	...
	United Kingdom	...	...	...	33	...	...
Rounds over 4 ⁷ / ₈ " , squares over 4".	United States	6	1	...	744	120	...
	United Kingdom	140	15	...	608	175	10.4
	Belgium	7	...	...	82	...	...
	France	...	...	...	24	...	...
Angles, channels, etc.	United States	390	...	2.3	8,395	...	62.7
	Belgium	429	...	...	2,857	...	...
	United Kingdom	...	...	...	63	...	.1
	France	35	...	...	291	...	...
	Germany	...	...	...	1	...	...
	Japan	...	...	...	108	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, August, 1953 and Year to Date (Continued)

Commodity		Country of origin	August, 1953			Year to date		
			Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)								
Bars and sections (Concluded) -								
Hot rolled (Concluded) -								
Structurals (bar sizes) for agricultural implements		United States	85	...	...	3,443	...	...
Sash or casement sections		United States	199	...	...	1,807	...	...
		Belgium	...	...	...	97	...	...
		United Kingdom	...	...	...	90	...	...
Cold finished, n.o.p.		United States	283	10	9.2	5,133	138	44.5
		United Kingdom	247	...	2.9	1,153	47	13.8
		Belgium	9	...	...	421	...	...
		Sweden	13	...	...	23	...	...
		France	8	...	...	20	...	...
Cold finished, for agricultural implements		United States	238	...	...	2,598	...	...
Tool steel		United States	1	45	...	161	413	...
		United Kingdom	24	90	...	318	571	...
Structurals		United States	16,516	...	...	121,495	...	...
		United Kingdom	2,221	...	...	5,486	...	...
		Belgium	5,049	...	...	24,383	...	...
		France	545	...	...	4,591	...	...
		Japan	...	...	...	18	...	...
		Germany	...	...	...	22	...	...
Plates -								
78" and under in width		United States	3,202	1	90.7	33,610	472	539.6
		United Kingdom	2,861	...	28.7	12,741	...	222.5
		Germany	172	...	...	1,675	...	...
		Japan	...	...	...	4,412	...	...
		Belgium	371	...	...	2,030	...	...
Over 78" and under 100" in width ..		United States	2,676	...	1.5	25,264	...	37.8
		United Kingdom	914	...	...	11,639	...	...
		Japan	...	...	...	29	...	...
100" in width and over		United States	530	...	13.7	3,518	...	153.5
		United Kingdom	66	...	...	460	...	...
Flanged, dished or curved		United States	95	...	...	1,006	...	8.5
Boiler, pulp-mill digesters		United States	326	...	...	2,940	...	...
		United Kingdom	...	...	...	224	...	...
Chequered or surface pattern		United States	632	...	...	7,397	...	...
		United Kingdom	56	...	...	239	...	...
Sheets -								
Silicon .075 or more		United States	...	1,646	...	...	16,096	...
		United Kingdom	...	...	...	...	213	...
Galvanized		United States	732	...	...	7,779	...	...
		United Kingdom	487	...	...	3,842	...	...
		France	...	...	...	2	...	...
Hot rolled								
18 gauge and heavier		United States	4,751	5	.9	41,562	181	214.3
		United Kingdom	676	...	19.8	4,761	...	106.1
		Sweden	...	...	.5	31	...	10.6
		Belgium	...	...	...	13	...	...
		Japan	11	...	...	178	...	...
Lighter than 18 gauge		United States	2	1	...	701	5	27.8
		United Kingdom	128	...	...	239	...	34.4
Cold rolled								
18 gauge and heavier		United States	566	...	49.7	8,607	...	715.5
		United Kingdom	728	...	31.5	2,525	...	227.9
		Sweden	...	...	...	3	...	...
Lighter than 18 gauge		United States	1,036	...	106.5	16,169	...	1,184.4
		United Kingdom	2,575	...	1.1	9,606	...	144.4
		Belgium	...	...	...	318	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, August, 1953 and Year to Date (Continued)

Commodity	Country of origin	August, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets (Concluded) -							
Corrugated	United States	526	...	...	4,649	...	...
	United Kingdom	5	...	...	10	...	...
	Germany	...	...	...	22	...	...
Coated with paint, tar, asphaltum, etc.	United States	5	...	...	1,064	...	...
For saws	United States	...	27	...	44	394	...
	United Kingdom	1	...	...	7	11	...
	Sweden	...	...	...	...	1	...
For hollow ware (vitreous enamel)	United States	354	...	...	5,108	...	...
	United Kingdom	1,175	...	...	8,369	...	...
	Belgium	...	...	...	73	...	...
Black plate - Tin mill	United States	...	...	...	105	...	...
For motor vehicles	United States	119	...	...	2,566	...	...
For heating apparatus	United States	...	...	...	120	...	...
For tubes	United States	...	...	...	497	...	...
Tin plate - Primes	United Kingdom	27	...	...	1,047	...	...
	United States	173	...	...	2,553	27	...
Electrolytic, 25 pounds	United Kingdom	81	...	...	81	...	...
Electrolytic, 50 pounds	United States	...	...	...	966	...	...
Electrolytic, 75 pounds	United States	...	...	...	108	...	...
Terne plate - Long	United States	577	...	...	4,494	...	...
Short	United States	177	...	...	1,957	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,086	...	.3	11,808	90	34.8
	Belgium	...	...	...	231	...	...
	France	...	...	...	65	...	...
Lighter than 18 gauge	United States	...	...	...	151	1	...
Cold rolled -							
18 gauge and heavier	United States	173	8	10.9	2,705	116	306.6
	United Kingdom	17	...	...	254	5	...
	Sweden	...	...	...	1	1	...
Lighter than 18 gauge	United States	289	1	165.3	3,132	52	998.2
	Sweden	...	8	...	175	81	.7
	United Kingdom	123	...	...	528	...	.5
	Belgium	...	...	...	5	...	...
For cold rolling	United States	25	...	...	652	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	16	...	...	143	...	...
	United Kingdom	1	...	...	20	...	...
For saws	United States	...	34	...	42	342	...
	United Kingdom	...	...	...	...	5	...
	Sweden	...	2	...	1	107	...
For motor vehicles	United States	1,038	...	...	11,252	...	...
For tubes	United States	...	...	...	1,055	...	...
For tubular products	United States	90	...	...	678	...	...
	United Kingdom	...	...	...	20	...	...
Coated with paint, tar, asphaltum .	United States	376	...	...	4,144	...	...
	Germany	...	...	...	44	...	...
	United Kingdom	6	...	...	9	...	...
Silicon .075 or more	United States	...	317	...	...	3,205	...
For butt hinges	United States	121	...	...	1,264	...	...
	United Kingdom	...	...	...	6	...	...
	Sweden	...	...	...	1	...	...
For hoops	United States	...	...	...	414	...	...
	United Kingdom	...	...	...	409	...	...
Galvanized strip	United States	323	...	...	3,523	...	...
	United Kingdom	57	...	...	288	...	...
	Germany	...	...	...	6	...	...
	Belgium	5	...	...	10	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, August, 1953 and Year to Date (Continued)

Commodity	Country of origin	August, 1953			Year to date (continued)		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Skelp -							
15 ³ / ₈ " in width	United States	1,174	...	...	53,895	...	...
	France	...	...	...	7,711	...	...
	Belgium	...	...	...	6,609	...	...
	United Kingdom	...	...	...	49	...	...
	Germany	...	...	...	7	...	...
Over 15 ³ / ₈ " in width	United States	417	...	...	5,515	...	...
Plate	United States	...	...	...	989	...	...
Pipes and tubes -							
Cast	United States	23	...	...	568	...	...
	United Kingdom	2,477	...	...	17,500	...	...
Bedstead	United States	...	...	...	42	...	...
	United Kingdom	...	...	...	5	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	219	...	...	3,061	60	78.8
	United Kingdom	71	...	...	889	...	...
	Sweden	...	...	...	...	...	.9
	Germany	...	...	...	48	...	...
Cold drawn	United States	26	...	...	440	36	26.0
	United Kingdom	12	...	...	139	...	.2
	Sweden	...	...	...	82	...	...
Welded	United States	95	...	.5	1,545	...	.5
	United Kingdom	110	...	...	480	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	332	385	14.0	2,779	1,947	277.1
	United Kingdom	194	...	11.1	1,500	3	127.2
	Sweden	2	...	...	51	88	...
	Germany	...	...	...	61	...	...
Hot finished	United States	983	18	14.2	9,035	719	94.9
	United Kingdom	551	...	...	4,595	...	.2
	Sweden	...	...	...	...	84	...
	France	...	...	...	38	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	70	...	...	2,100	30	4.4
	United Kingdom	99	...	...	4,602	...	...
Welded, 4" and under in diameter ..	United States	452	...	1.3	2,797	...	75.2
	United Kingdom	1,042	...	...	7,807	...	.2
	Belgium	...	...	...	96	...	...
Welded, over 4" in diameter	United States	344	...	...	93,379	...	28.8
	United Kingdom	78	...	...	1,926	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	33	...	...	277	...	...
Spiral welded	United States	772	...	...	2,041	...	...
Conduit	United States	192	...	...	2,459	...	...
	United Kingdom	...	...	...	5	...	...
Casings	United States	3,521	...	...	49,475	...	...
	United Kingdom	2,491	...	...	10,374	...	...
	Germany	528	...	...	2,157	...	...
	Japan	53	...	...	1,258	...	...
	Italy	...	...	...	1,465	...	...
Fittings and couplings	United States	443	...	4.9	3,734	5	56.9
	United Kingdom	28	...	...	337	...	...
	Germany	...	...	...	24	...	...
	Japan	16	...	...	86	...	...
Wire rope							
	United States	70	...	...	405	...	...
	United Kingdom	25	...	...	539	...	...
	Belgium	...	...	...	21	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, August, 1953 and Year to Date (Continued)

		August, 1953			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Wire rope (Concluded)	Germany	15	...	...	155	...	...
	Norway	...	...	...	4	...	...
	Holland	19	...	...	37	...	...
Wire for rope	United States	532	...	...	4,811	...	1.4
	United Kingdom	465	...	...	5,743	...	...
	Germany	...	...	...	5	...	...
Wire - For corset laces, steels, etc.	United States	6	...	...	81	...	...
	United Kingdom	...	...	...	1	...	...
	For spring mattresses, etc.	United States	40	3,463	...
Wire, coated	United States	78	...	...	415	...	...
	United Kingdom	29	...	...	67	...	...
	Germany	...	...	...	6	...	...
Wire, all other	United States	209	1	1.6	2,513	138	15.5
	United Kingdom	12	...	...	109	...	...
	Germany	21	...	...	88	1	...
	Sweden	...	...	...	15	1	...
	Belgium	...	...	...	55	...	...
	United States	138	...	...	2,676	...	...
Wire rods, not over 3/8" in diameter	Belgium	305	...	...	2,699	...	...
	Germany	...	...	...	33	...	...
	United Kingdom	272	...	...	1,056	...	...
	France	...	...	...	697	...	...
	Sweden	38	...	...	114	...	...
	United States	10	31	...	1,771	329	6.8
Welding wire and welding rods	United Kingdom	...	...	...	...	1	.2
Castings -							
For agricultural implements	United States	78	...	...	587	...	...
For ingot moulds	United States	2,534	...	...	22,381	...	...
	United Kingdom	...	...	...	272	...	...
Malleable	United States	5	...	...	110	...	...
Non-malleable	United States	20	...	...	261	...	...
Steel	United States	12	...	...	230	8	...
	United Kingdom	...	...	...	4	...	...
	France	...	...	...	46	...	...
	Norway	...	...	...	198	...	...
	United States	...	...	...	29	...	...
For railway vehicles	United States	307	...	...	3,068	635	...
Rolls	United Kingdom	13	...	...	132	70	...
Piston rings (rough)	United States	9	...	...	108	...	...
	United Kingdom	1	...	...	1	...	...
Forgings	United States	...	...	...	422	57	1.7
	United Kingdom	...	...	...	356	...	...
	Germany	...	...	...	12	...	...
Wheels - For railway rolling stock	United States	32	...	...	366	...	...
	United Kingdom	1,715	...	...	6,565	...	...
Tires - For railway rolling stock	United States	8	...	...	63	...	...
	United Kingdom	...	...	...	583	...	...
Axles - For railway vehicles	United States	...	...	...	750	...	...
Rails - 60 lb. and under	United States	76	...	...	717	...	...
	Belgium	78	...	...	666	...	...
	United Kingdom	...	...	...	53	...	...
Over 60 lb. and including							
100 lb.	United States	377	...	...	1,349	...	...
	United Kingdom	...	...	...	808	...	...
Over 100 lb.	United States	...	...	...	2,330	...	...
	United Kingdom	...	...	...	2	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, August, 1953 and Year to Date (Concluded)

Commodity	Country of origin	August, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Track material -							
Angles, bars, tie plates, rail joints	United States	1,320	...	...	4,853	...	...
	Belgium	4	...	...	29	...	...
	United Kingdom	107	...	...	204	...	...
Intersections, switches, frogs ..	United States	56	...	...	240	...	...
	Belgium	...	...	...	1	...	...
Total imports	United States	58,939	3,004	490.1	693,743	29,801	5,204.1
	All other	32,212	130	110.0	213,953	2,129	943.8
TOTAL		91,151	3,134	600.1	907,696	31,930	6,147.9

Table 14 - Exports of Primary Iron and Steel, August, 1953 and Year to Date

	August, 1953	Year to date
(Tons of 2,000 pounds)		
Pig iron	71,105	247,640
Ingots, blooms and billets	4,561	124,646
Bars	3,374	17,575
Rods .....	...	108
Plates, sheets and strips	5,028	73,440
Rails .....	...	3,445
Structural shapes	109	3,778
Pipe and tubing - Wrought iron .....	...	137
Cast iron	17	210
Galvanized .....	...	63
Other	246	1,246
Castings, iron and steel	521	6,245
Forgings	1,887	9,683
Total	86,848	488,216



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PRIMARY IRON AND STEELSEPTEMBER - 1953

Pig Iron - Production of pig iron in Canada amounted to 243,963 tons in September, 1953, compared with 222,686 tons in the corresponding month of last year. The total for the current month included 188,739 tons of basic iron, 40,448 tons of malleable iron and 14,776 tons of foundry iron.

Ferro-alloys - Output of ferro-alloys in September, 1953, amounted to 10,483 tons compared with 9,339 tons in the previous month and with 17,641 tons in September of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during September, 1953, totalled 329,344 tons compared with 284,996 tons in September of last year. Output in the month under review included 321,332 tons of ingots and 8,012 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During September, 1952 and 1953.

	September, 1952		September, 1953	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	163,068	16,094	188,739	5,060
Foundry	23,783	21,123	14,776	16,121
Malleable	35,835	34,353	40,448	41,884
Total pig iron	222,686	71,570	243,963	63,065
<u>Ferro-alloys</u>	17,641	16,830	10,483	9,373

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Nine Months Ended September, 1952 and 1953.

	1 9 5 2		1 9 5 3	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	1,554,706	128,182	1,820,856	66,477
Foundry	158,368	153,946	117,746	109,673
Malleable	290,305	273,918	333,152	316,154
Total pig iron	2,003,379	556,046	2,271,754	492,304
<u>Ferro-alloys</u>	176,766	166,616	124,516	114,983

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During September and Nine Months Ended September, 1952 and 1953.

	September		Nine months ended September	
	1 9 5 2	1 9 5 3	1 9 5 2	1 9 5 3
	(Net tons of 2,000 pounds)			
<u>Iron ore - Canadian</u>	105,163	81,616	1,108,144	1,011,346
Imported	297,520	345,313	2,505,915	2,915,270
<u>Mill cinder, scale, sinter, etc.</u> ...	30,655	56,817	283,692	535,147
<u>Limestone</u>	76,737	83,523	745,592	794,816
<u>Dolomite</u>	17,600	24,094	151,994	236,518
<u>Coke</u>	203,894	221,600	1,867,525	2,100,168
<u>Scrap iron and steel</u>	10,886	4,545	77,902	73,995

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Table 4 - Description of Iron Blast Furnaces at End of September, 1953.

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	11	3,107,500	81.3
Banked	1	109,000	3.0
Blown out	4	601,500	15.7
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During September, 1952 and 1953.

	1 9 5 2		1 9 5 3	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel Ingots</u>				
Open hearth - basic	230,730	7,850	281,116	47
Electric	43,932★★	2,197★★	40,216	30
Total steel ingots	274,662	10,047	321,332	77
Alloy steel ingots included in above	21,163	15	11,692	...
<u>Steel Castings</u>				
Open hearth - basic	3,595	3,270	2,465	2,127
Converter	18	22	...	...
Electric	6,721	5,369	5,547	4,198
Total steel castings	10,334	8,661	8,012	6,325
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	109	74	117	90
(b) High alloy, manganese and abrasion resistant	1,272	1,273	914	924
(c) All other alloys	806	281	832	218

(★) Includes amounts for sale and for own use. (★★) Revised.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Nine Months Ended September, 1952 and 1953.

	1 9 5 2		1 9 5 3	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel Ingots</u>				
Open hearth - basic	2,254,437	113,994	2,662,912	45,494
Electric	416,784★★	17,108★★	371,579	564
Total steel ingots	2,671,221	131,102	3,034,491	46,058
Alloy steel ingots included in above	157,258	416	147,018	264
<u>Steel Castings</u>				
Open hearth - basic	26,933	24,434	22,656	19,309
Converter	298	283	289	213
Electric	69,629	53,181	57,402	44,571
Total steel castings	96,860	77,898	80,347	64,153
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	967	807	1,104	825
(b) High alloy, manganese and abrasion resistant	15,163	13,695	10,538	9,673
(c) All other alloys	7,794	3,099	8,379	2,093

(★) Includes amounts for sale and for own use. (★★) Revised.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces, September, 1952 and 1953 and Nine Months Ended September, 1953

	September 1952	September 1953	Nine months ended September, 1953
	(Net tons of 2,000 pounds)		
Pig iron	150,512	184,897	1,738,694
Scrap - Own make	84,392	100,006	870,335
Purchased	78,116	81,124	823,557

Table 8 - Steel Furnace Capacity at First of January, 1953(★)

	Annual capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,757,300
Electric	714,400
Total ingots	4,471,700
Steel castings	312,400
Total ingots and castings	4,784,100

(★) Revised.

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1952 and 1953

Month	Pig iron	Ferro- alloys	Ingots(★)	Castings	Total steel
	(Net tons of 2,000 pounds)				
<u>1 9 5 2</u>					
January	209,153	21,458	303,721	11,313	315,034
February	199,162	22,171	291,846	11,519	303,365
March	240,755	23,097	325,385	11,511	336,896
April	214,330	19,856	302,456	11,685	314,141
May	237,079	21,112	316,390	11,634	328,024
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	284,996	8,076	293,072
August	221,387	16,583	277,759	9,339	287,098
September	222,686	17,641	274,662	10,334	284,996
Total nine months	2,003,379	175,017	2,671,221	96,860	2,768,081
October	220,464	19,152	297,093	9,011	306,104
November	225,490	19,430	297,874	8,400	306,274
December	232,732	18,437	311,918	7,766	319,684
Total	2,682,065	232,036	3,578,106	122,037	3,700,143
<u>1 9 5 3</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
Total nine months	2,271,754	124,516	3,034,491	80,347	3,114,838

(★) Revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 260,115 net tons in September, 1953, compared with 246,591 tons in September, 1952. The September, 1953, shipments included 6,042 tons of semi-finished shapes, 15,631 tons of structurals, 16,986 tons of plates, 26,228 tons of rails, 5,290 tons of tie plates and track material, 37,125 tons of hot rolled bars, 19,547 tons of pipes and tubes, 23,515 tons of wire rods, 41,917 tons of black sheets, 9,283 tons of galvanized sheets, 7,432 tons of castings, and 51,119 tons of other rolled products. The amount of producers' interchange was 122,137 tons in September, 1953, as against 134,778 tons in September, 1952.

Of the amounts shipped for sale during September, 47,769 tons went direct to railways and railway car shops; 13,750 tons went to pressing, forming and stamping plants; 27,918 tons to merchant trade products; 41,440 tons to building construction; 25,905 tons to the containers industry; 7,896 tons to agricultural equipment; 22,366 tons to the automotive industry; 11,877 tons to machinery plants; 1,517 tons to shipbuilding; 9,727 tons to mining, lumbering, etc., and 7,769 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 37,657 tons, and exports for 4,524 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 122,137 tons in September, 1953.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, September, 1953

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	8,380	4,743	3,187
Other semi-finished shapes, not for re-rolling by makers	17,691	196	15,096
Structural shapes and piling	16,014	15,631	...
Plates	17,030	16,522	...
Rails	24,920	26,228	...
Tie plates and track material: Splice bars	921	877	...
Tie plates	3,437	3,649	...
Spikes	789	764	...
Concrete reinforcing bars	20,379	17,215	...
Hot rolled bars for cold finishing	1,244	...	1,284
Other hot rolled bars	36,303	30,871	4,612
Pipes and tubes	21,339	19,547	...
Wire rods	22,984	23,347	...
Hot rolled black sheets	81,602	23,651	58,398
Cold reduced black sheets	24,749	18,266	6,288
Galvanized sheets	9,383	9,283	9
Steel castings	6,036	5,573	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	66,252	33,054	32,561
Total carbon steel	379,453	249,417	121,435
<u>Alloy Steel</u>			
Billets, etc., for forging	1,159	1,103	...
Other semi-finished shapes, not for re-rolling by makers	610	...	610
Structural shapes and piling .....	...	...	...
Plates	428	464	...
Hot rolled bars for cold finishing	57	...	54
Other hot rolled bars	6,122	6,254	38
Pipes and tubes .....	...	...	...
Wire rods	259	168	...
Steel castings	1,920	1,859	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.) .	692	850	...
Total alloy steel	11,247	10,698	702

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Nine Months Ended
September, 1953

September, 1933

	Production (Including producers' interchange)	Shipments For Producers' sale interchange	
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	98,497	66,587	31,781
Other semi-finished shapes, not for re-rolling by makers	236,403	58,671	137,118
Structural shapes and piling	146,688	154,749	21
Plates	166,400	166,899	...
Rails	197,845	193,613	...
Tie plates and track material: Splice bars	11,855	11,615	...
Tie plates	35,754	35,692	...
Spikes	10,545	10,620	...
Concrete reinforcing bars	126,038	121,061	...
Hot rolled bars for cold finishing	11,431	1	11,403
Other hot rolled bars	387,115	316,736	58,264
Pipes and tubes	187,916	185,944	18
Wire rods	207,052	205,780	820
Hot rolled black sheets	695,581	197,530	491,781
Cold reduced black sheets	197,069	142,104	52,592
Galvanized sheets	81,709	81,175	46
Steel castings	58,604	58,133	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	617,100	291,430	313,399
Total carbon steel	3,473,602	2,298,340	1,097,243
<u>Alloy Steel</u>			
Billets, etc., for forging	14,885	15,184	...
Other semi-finished shapes, not for re-rolling by makers	6,071	...	6,071
Structural shapes and piling .....	...	...	...
Plates	2,248	2,253	...
Hot rolled bars for cold finishing	121	...	115
Other hot rolled bars	73,796	75,605	112
Pipes and tubes .....	...	...	...
Wire rods	1,026	968	...
Steel castings	20,051	18,955	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	10,000	9,947	...
Total alloy steel	128,198	122,912	6,298

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, September, 1953 and Year to Date

	September, 1953		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	16,609	5,757	166,397	68,386
Agricultural, including farm machinery	7,678	218	73,789	1,248
Building construction	41,369	71	316,057	517
Containers industry	25,895	10	218,032	394
Machinery and tools	11,060	817	112,768	6,743
Merchant trade products	27,483	435	257,695	3,229
Mining, lumbering, etc.	8,782	945	104,644	8,887
National defence	3,679	384	41,173	3,443
Pressing, forming and stamping	13,680	70	107,212	1,094
Public works and utilities	2,617	27	18,382	378
Railway operating	34,568	181	282,110	2,254
Railway cars and locomotives	12,395	625	137,354	2,911
Shipbuilding	1,434	83	23,947	634
Miscellaneous and unclassified	969	93	9,431	1,718
Wholesalers and warehouses	37,535	122	310,993	1,313
Direct export (a) to British Empire	228	25	30,543	559
(b) to other countries	3,436	835	87,813	19,204
Total shipped for sale	249,417	10,698	2,298,340	122,912
Producers' interchange	121,435	702	1,097,243	6,298

Table 13 - Imports of Primary Forms of Iron and Steel, September, 1953 and Year to Date

Imports of Primary Forms of Iron and Steel, September, 1953 and Year to Date							
Commodity	Country of origin	September, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	...	...	...	659	...	...
Malleable	United States	...	...	...	3,301	...	...
	France	...	...	...	110	...	...
Silvery	United States	54	...	...	1,448	...	...
Foundry	United States	219	...	...	3,266	...	...
	Australia	...	...	...	2,584	...	...
Ingot	United States	55	...	...	1,282	54	...
	Austria	111	...	...	111	...	...
Billets, blooms, slabs and sheet bars	United States	23	178	...	79	248	...
	United Kingdom	...	...	...	...	12	...
Tube rounds and tube billets	United States	...	...	...	1,642	...	1.9
Bars and sections -							
Hot rolled, n.o.p.	United States	4,025	435	37.8	36,214	4,488	243.8
	United Kingdom	152	8	25.2	1,666	660	68.7
	Belgium	1,242	...	...	10,043	...	...
	France	49	...	...	1,549	...	...
	Japan	...	...	...	112	...	...
	Germany	...	...	...	27	...	...
	Austria	...	...	...	10	...	...
	Sweden	...	...	...	1	...	...
Hot rolled -							
For agricultural implements	United States	893	...	...	5,468	8	...
	United Kingdom	...	...	...	33	...	...
Rounds over 4 $\frac{7}{8}$ ", squares over 4"	United States	42	2	...	786	122	...
	United Kingdom	6	5	...	614	180	10.4
	Belgium	...	...	...	82	...	...
	France	...	...	...	24	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, September, 1953 and Year to Date (Continued)

Commodity	Country of origin	September, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (Concluded)							
Hot rolled - (Concluded)							
Angles, channels, etc.	United States	737	...	5.5	9,132	...	68.2
	Belgium	111	...	...	2,968	...	...
	United Kingdom	2	...	...	65	...	.1
	France	27	...	...	318	...	...
	Germany	...	...	...	1	...	...
	Japan	...	...	...	108	...	...
Structurals (bar sizes) for							
agricultural implements	United States	26	...	...	3,469	...	...
Sash or casement sections	United States	293	...	...	2,100	...	...
	Belgium	44	...	...	141	...	...
	United Kingdom	26	...	...	116	...	...
Cold finished, n.o.p.	United States	547	9	2.9	5,680	147	47.4
	United Kingdom	141	...	1.8	1,294	47	15.6
	Belgium	...	...	...	421	...	...
	Sweden	24	...	...	47	...	...
	France	...	...	...	20	...	...
Cold finished, for agricultural implements	United States	248	...	...	2,846	...	...
Tool steel	United States	2	97	...	163	510	...
	United Kingdom	29	40	...	347	611	...
Structurals	United States	14,521	...	...	136,016	...	...
	United Kingdom	1,878	...	...	7,364	...	...
	Belgium	5,318	...	...	29,701	...	...
	France	306	...	...	4,897	...	...
	Japan	...	...	...	18	...	...
	Germany	...	...	...	22	...	...
Plates -							
78" and under in width	United States	3,204	96	128.5	36,814	568	668.1
	United Kingdom	1,353	...	20.3	14,094	...	242.8
	Germany	...	...	...	1,675	...	...
	Japan	416	...	...	4,828	...	...
	Belgium	77	...	...	2,107	...	...
Over 78" and under 100" in width	United States	2,089	1	.3	27,353	1	38.1
	United Kingdom	851	...	...	12,490	...	...
	Japan	...	...	...	29	...	...
100" in width and over	United States	141	...	85.4	3,659	...	238.9
	United Kingdom	260	...	...	720	...	...
Flanged, dished or curved	United States	60	...	...	1,066	...	8.5
Boiler, pulp-mill digesters	United States	232	...	...	3,172	...	...
	United Kingdom	...	...	...	224	...	...
Chequered or surface pattern	United States	420	...	...	7,817	...	...
	United Kingdom	...	...	...	239	...	...
Sheets -							
Silicon .075 or more	United States	...	1,608	...	...	17,704	...
	United Kingdom	...	...	...	...	213	...
Galvanized	United States	1,309	...	...	9,088	...	...
	United Kingdom	587	...	...	4,429	...	...
	France	...	...	...	2	...	...
Hot rolled -							
18 gauge and heavier	United States	4,591	28	2.0	46,153	209	216.3
	United Kingdom	83	...	41.2	4,844	...	147.3
	Sweden	...	...	...	31	...	10.6
	Belgium	...	...	...	13	...	...
	Japan	...	...	...	178	...	...
Lighter than 18 gauge	United States	21	...	35.0	722	5	62.8
	United Kingdom	160	...	...	399	...	34.4

Table 13 - Imports of Primary Forms of Iron and Steel, September, 1953 and Year to Date (Continued)

Commodity	Country of origin	September, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets - (Concluded)							
Cold rolled -							
18 gauge and heavier	United States	832	...	63.1	9,439	...	778.6
	United Kingdom	198	...	122.6	2,723	...	350.5
	Sweden	...	...	...	3	...	...
Lighter than 18 gauge	United States	1,677	...	212.8	17,846	...	1,397.2
	United Kingdom	1,325	...	10.1	10,931	...	154.5
	Belgium	...	...	...	318	...	...
Corrugated	United States	1,053	...	...	5,702	...	...
	United Kingdom	17	...	...	27	...	...
	Germany	...	...	...	22	...	...
Coated with paint, tar, asphaltum, etc.	United States	64	...	...	1,128	...	...
For saws	United States	...	55	...	44	449	...
	United Kingdom	...	1	...	7	12	...
	Sweden	...	...	...	...	1	...
For hollow ware (vitreous enamel)	United States	731	...	...	5,839	...	...
	United Kingdom	328	...	...	8,697	...	...
	Belgium	...	...	...	73	...	...
Black plate - Tin mill	United States	...	...	...	105	...	...
For motor vehicles	United States	...	...	...	2,566	...	...
For heating apparatus	United States	...	...	...	120	...	...
For tubes	United States	...	...	...	497	...	...
Tin plate - Primes	United Kingdom	...	...	...	1,047	...	...
	United States	424	...	...	2,977	27	...
	United Kingdom	...	...	...	81	...	...
Electrolytic, 25 pounds ...	United States	...	...	...	966	...	...
Electrolytic, 50 pounds ...	United States	...	...	...	108	...	...
Electrolytic, 75 pounds ...	United States	...	...	...	5,066	...	...
Terne plate - Long	United States	572	...	...	2,264	...	...
Short	United States	307	...	...	...	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,956	6	3.0	13,764	96	37.8
	Belgium	17	...	...	248	...	...
	France	...	...	...	65	...	...
Lighter than 18 gauge	United States	165	45	...	316	46	...
Cold rolled -							
18 gauge and heavier	United States	495	7	33.6	3,200	123	340.2
	United Kingdom	55	...	...	309	5	...
	Sweden	...	...	...	1	1	...
Lighter than 18 gauge	United States	427	2	209.4	3,559	54	1,207.6
	Sweden	...	9	...	175	90	.7
	United Kingdom	47	...	...	575	...	.5
	Belgium	...	...	...	5	...	...
For cold rolling	United States	23	...	...	675	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	22	...	...	165	...	...
	United Kingdom	...	...	...	20	...	...
For saws	United States	1	13	...	43	355	...
	United Kingdom	...	...	...	...	5	...
	Sweden	...	5	...	1	112	...
For motor vehicles	United States	700	...	...	11,952	...	...
For tubes	United States	341	...	...	1,396	...	...
	United Kingdom	57	...	...	57	...	...
For tubular products	United States	24	...	...	702	...	...
	United Kingdom	...	...	...	20	...	...
Coated with paint, tar, asphaltum	United States	508	...	...	4,652	...	...
	Germany	1	...	...	45	...	...
	United Kingdom	...	...	...	9	...	...
Silicon .075 or more	United States	...	438	...	...	3,643	...

Table 13 - Imports of Primary Forms of Iron and Steel, September, 1953 and Year to Date (Continued)

Commodity	Country of origin	September, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip - (Concluded)							
For butt hinges	United States	116	..	...	1,380	...	...
	United Kingdom	...	...	...	6	...	...
	Sweden	...	...	...	1	...	...
For hoops	United States	35	...	...	449	...	...
	United Kingdom	...	...	...	409	...	...
Galvanized strip	United States	308	...	...	3,831	...	...
	United Kingdom	76	...	...	364	...	...
	Germany	...	...	...	6	...	...
	Belgium	1	...	...	11	...	...
Skelp -							
15 $\frac{3}{8}$ " in width	United States	8,581	...	...	62,476	...	...
	France	...	...	...	7,711	...	...
	Belgium	110	...	...	6,719	...	...
	United Kingdom	...	...	...	49	...	...
	Germany	...	...	...	7	...	...
Over 15 $\frac{3}{8}$ " in width	United States	768	...	...	6,283	...	...
Plate	United States	...	...	...	989	...	...
Pipes and tubes -							
Cast	United States	67	...	...	635	...	...
	United Kingdom	2,409	...	...	19,909	...	...
Bedstead	United States	...	...	...	42	...	...
	United Kingdom	...	...	...	5	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	152	12	...	3,213	72	78.8
	United Kingdom	176	...	...	1,065	...	...
	Sweden	...	...	...	...	...	.9
	Germany	...	...	...	48	...	...
Cold drawn	United States	39	1	1.1	479	37	27.1
	United Kingdom	6	...	...	145	...	.2
	Sweden	...	...	...	82	...	...
Welded	United States	186	...	...	1,731	...	.5
	United Kingdom	71	...	...	551	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	404	592	11.7	3,183	2,539	288.8
	United Kingdom	286	...	22.0	1,786	3	149.2
	Sweden	...	...	...	51	88	...
	Germany	...	...	...	61	...	...
Hot finished	United States	846	24	.4	9,881	743	95.3
	United Kingdom	1,039	...	...	5,634	...	.2
	Sweden	...	...	...	...	84	...
	France	...	...	...	38	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	1,256	...	...	3,356	30	4.4
	United Kingdom	...	...	...	4,602	...	...
Welded, 4" and under in diameter	United States	409	...	4.3	3,206	...	79.5
	United Kingdom	824	...	...	8,631	...	.2
	Belgium	1	...	...	97	...	...
Welded, over 4" in diameter	United States	125	...	.4	93,504	...	29.2
	United Kingdom	892	...	...	2,818	...	...
Tubing -							
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	13	...	...	290	...	...
Spiral welded	United States	392	...	...	2,433	...	...
Conduit	United States	328	...	...	2,787	...	...
	United Kingdom	...	...	...	5	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, September, 1953 and Year to Date (Continued)

Commodity	Country of origin	September, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes - (Concluded)							
Casings	United States	6,723	...	...	56,198	...	...
	United Kingdom	1,548	...	...	11,922	...	...
	Germany	...	...	...	2,157	...	...
	Japan	...	...	...	1,258	...	...
	Italy	...	...	...	1,465	...	...
	Belgium	556	...	...	556	...	...
Fittings and couplings	United States	481	...	4.5	4,215	5	61.4
	United Kingdom	22	...	...	359	...	...
	Germany	15	...	...	39	...	...
	Japan	2	...	...	88	...	...
Wire rope							
	United States	19	...	...	424	...	...
	United Kingdom	38	...	...	577	...	...
	Belgium	...	...	...	21	...	...
	Germany	90	...	...	245	...	...
	Norway	4	...	...	8	...	...
	Holland	1	...	...	38	...	...
Wire for rope	United States	318	...	...	5,129	...	1.4
	United Kingdom	439	...	...	6,182	...	...
	Germany	...	...	...	5	...	...
Wire - For corset laces, steels, etc. ...	United States	14	...	...	95	...	...
	United Kingdom	...	...	...	1	...	...
For spring mattresses, etc.	United States	215	...	...	3,678	...	...
	United Kingdom	...	...	...	679	...	...
Wire, coated	United States	5	...	...	420	...	...
	United Kingdom	...	...	...	67	...	...
	Germany	...	...	...	6	...	...
Wire, all other	United States	213	4	1.1	2,726	142	16.6
	United Kingdom	14	...	...	123	...	...
	Germany	5	...	...	93	1	...
	Sweden	6	...	...	21	1	...
	Belgium	28	...	...	83	...	...
	France	55	...	...	55	...	...
Wire rods, not over 3/8" in diameter	United States	136	...	...	2,812	...	...
	Belgium	349	...	...	3,048	...	...
	Germany	...	...	...	33	...	...
	United Kingdom	838	...	...	1,894	...	...
	France	...	...	...	697	...	...
	Sweden	...	...	...	114	...	...
Welding wire and welding rods	United States	93	43	...	1,864	372	6.8
	United Kingdom	...	...	...	...	1	.2
Castings -							
For agricultural implements	United States	25	...	...	612	...	...
For ingot moulds	United States	2,548	...	...	24,929	...	...
	United Kingdom	...	...	...	272	...	...
Malleable	United States	12	...	...	122	...	...
Non-malleable	United States	64	...	...	325	...	...
Steel	United States	25	...	...	255	8	...
	United Kingdom	...	...	...	4	...	...
	France	...	...	...	46	...	...
	Norway	...	...	...	198	...	...
For railway vehicles	United States	10	...	...	39	...	...
Rolls	United States	472	...	...	3,540	635	...
	United Kingdom	...	...	...	132	70	...
Piston rings (rough)	United States	20	...	...	128	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, September, 1953 and Year to Date (Concluded)

Commodity	Country of origin	September, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Forgings	United States	52	...	...	474	57	1.7
	United Kingdom	33	...	...	389	...	...
	Germany	...	...	...	12	...	...
Wheels - For railway rolling stock	United States	22	...	...	388	...	...
	United Kingdom	1,719	...	...	8,284	...	...
Tires - For railway rolling stock	United States	24	...	...	87	...	...
	United Kingdom	44	...	...	627	...	...
Axles - For railway vehicles	United States	...	...	...	750	...	...
Rails -							
60 lb. and under	United States	4	...	...	721	...	...
	Belgium	80	...	...	746	...	...
	United Kingdom	...	...	...	53	...	...
Over 60 lb. and including 100 lb.	United States	1,077	...	...	2,426	...	...
	United Kingdom	...	...	...	808	...	...
Over 100 lb.	United States	...	...	...	2,330	...	...
	United Kingdom	4	...	...	6	...	...
Track material -							
Angles, bars, tie plates, rail joints .	United States	1,856	...	...	6,709	...	...
	Belgium	3	...	...	32	...	...
	United Kingdom	...	...	...	204	...	...
Intersections, switches, frogs	United States	29	...	...	269	...	...
	Belgium	...	...	...	1	...	...
Total imports	United States	72,556	3,696	842.8	766,299	33,497	6,046.9
	All other	27,082	68	243.2	241,035	2,197	1,187.0
TOTAL		99,638	3,764	1,086.0	1,007,334	35,694	7,233.9

Table 14 - Exports of Primary Iron and Steel, September, 1953 and Year to Date

	September, 1953	Year to date
	(Tons of 2,000 pounds)	
Pig iron	36,645	284,285
Ingots, blooms and billets	1,177	125,823
Bars	808	18,383
Rods	355	463
Plates, sheets and strips	3,743	77,183
Rails .....	...	3,445
Structural shapes	147	3,925
Pipe and tubing - Wrought iron	70	208
Cast iron	47	258
Galvanized	2	65
Other	118	1,364
Castings, iron and steel	325	6,570
Forgings	1,161	10,844
Total	44,598	552,816



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PRIMARY IRON AND STEELOCTOBER - 1953

Pig Iron - Production of pig iron in Canada amounted to 265,346 tons in October, 1953, compared with 220,464 tons in the corresponding month of last year. The total for the current month included 217,378 tons of basic iron, 31,835 tons of malleable iron and 16,133 tons of foundry iron.

Ferro-alloys - Output of ferro-alloys in October, 1953, amounted to 8,522 tons compared with 10,483 tons in the previous month and with 19,152 tons in October of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, ferro-zirconium, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during October, 1953, totalled 362,498 tons compared with 306,104 tons in October of last year. Output in the month under review included 354,480 tons of ingots and 8,018 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During October, 1952 and 1953.

	October, 1952		October, 1953	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	171,157	22,491	217,378	14,632
Foundry	18,972	12,882	16,133	16,203
Malleable	30,335	33,959	31,835	33,169
Total pig iron	220,464	69,332	265,346	64,004
<u>Ferro-alloys</u>	19,152	21,909	8,522	10,766

* Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Ten Months Ended October, 1952 and 1953.

	1952		1953	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	1,725,863	150,673	2,038,234	81,109
Foundry	177,340	166,828	133,879	125,876
Malleable	320,640	307,877	364,987	349,323
Total pig iron	2,223,843	625,378	2,537,100	556,308
<u>Ferro-alloys</u>	195,918	188,525	133,038	125,749

* Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During October and Ten Months Ended October, 1952 and 1953.

	October		Ten months ended October	
	1952	1953	1952	1953
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	77,489	95,416	1,185,633	1,106,762
Imported	304,132	364,150	2,810,047	3,279,420
Mill cinder, scale, sinter, etc.	49,323	64,707	333,015	599,854
Limestone	74,508	92,781	820,100	887,597
Dolomite	18,914	25,584	170,908	262,102
Coke	199,083	243,205	2,066,608	2,343,373
Scrap iron and steel	12,987	6,112	90,889	80,107

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Table 4 - Description of Iron Blast Furnaces at End of October, 1953.

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	12	3,342,200	87.6
Banked	-	-	-
Blown out	4	475,800	12.4
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During October, 1952 and 1953.

	1 9 5 2		1 9 5 3	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	247,595	1,776	314,038	114
Electric	49,498(**)	491(**)	40,442	15
Total steel ingots	297,093	2,267	354,480	129
Alloy steel ingots included in above	20,842	30	16,780	48
<u>Steel Castings</u>				
Open hearth - basic	2,563	2,195	2,490	2,172
Converter	16	23	-	-
Electric	6,432	5,271	5,528	4,177
Total steel castings	9,011	7,489	8,018	6,349
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	130	74	110	80
(b) High alloy, manganese and abrasion resistant	1,406	1,349	929	966
(c) All other alloys	729	266	760	257

(*) Includes amounts for sale and for own use. (**) Revised.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Ten Months Ended October, 1952 and 1953

	1 9 5 2		1 9 5 3	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	2,502,032	115,770	2,976,950	45,608
Electric	466,282(**)	17,599(**)	412,021	579
Total steel ingots	2,968,314	133,369	3,388,971	46,187
Alloy steel ingots included in above	178,100	446	163,798	312
<u>Steel Castings</u>				
Open hearth - basic	29,496	26,629	25,146	21,481
Converter	314	306	289	213
Electric	76,061	58,452	62,930	48,748
Total steel castings	105,871	85,387	88,365	70,502
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	1,097	881	1,214	905
(b) High alloy, manganese and abrasion resistant	16,569	15,044	11,467	10,639
(c) All other alloys	26,189	3,365	9,139	2,350

(*) Includes amounts for sale and for own use. (**) Revised.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces, October, 1952 and 1953 and Ten Months Ended October, 1953

	October 1952	October 1953	Ten months ended October, 1953
(Net tons of 2,000 pounds)			
Pig iron	154,336	207,319	1,946,013
Scrap - Own make	90,959	108,411	978,746
Purchased	88,385	84,945	908,502

Table 8 - Steel Furnace Capacity at Thirty-First of October, 1953

	Annual capacity
(Net tons of 2,000 pounds)	
Ingots - Basic open hearth	3,951,300
Electric	714,400
Total ingots	4,665,700
Steel castings	313,900
Total ingots and castings	4,979,600

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1952 and 1953

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots(*)	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 5 2</u>					
January	209,153	21,458	303,721	11,313	315,034
February	199,162	22,171	291,846	11,519	303,365
March	240,755	23,097	325,385	11,511	336,896
April	214,330	19,856	302,456	11,685	314,141
May	237,079	21,112	316,390	11,634	328,024
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	284,996	8,076	293,072
August	221,387	16,583	277,759	9,339	287,098
September	222,686	17,641	274,662	10,334	284,996
October	220,464	19,152	297,093	9,011	306,104
Total ten months	2,223,843	195,918	2,968,314	105,871	3,074,185
November	225,490	19,430	297,874	8,400	306,274
December	232,732	18,437	311,918	7,766	319,684
Total	2,682,065	232,036	3,578,106	122,037	3,700,143
<u>1 9 5 3</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
Total ten months	2,537,100	133,038	3,388,971	88,365	3,477,336

(*) Revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 291,387 net tons in October, 1953, compared with 285,471 tons in October, 1952. The October, 1953, shipments included 4,478 tons of semi-finished shapes, 22,059 tons of structurals, 20,116 tons of plates, 32,657 tons of rails, 8,759 tons of tie plates and track material, 42,248 tons of hot rolled bars, 20,015 tons of pipes and tubes, 30,654 tons of wire rods, 46,936 tons of black sheets, 9,246 tons of galvanized sheets, 7,479 tons of castings, and 46,740 tons of other rolled products. The amount of producers' interchange was 117,978 tons in October, 1953, as against 131,551 tons in October, 1952.

Of the amounts shipped for sale during October, 62,817 tons went direct to railways and railway car shops; 16,366 tons went to pressing, forming and stamping plants; 35,984 tons to merchant trade products; 40,447 tons to building construction; 21,387 tons to the containers industry; 12,565 tons to agricultural equipment; 20,791 tons to the automotive industry; 12,802 tons to machinery plants; 2,093 tons to shipbuilding; 10,621 tons to mining, lumbering, etc., and 7,778 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 40,850 tons, and exports for 6,886 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 117,978 tons in October, 1953.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, October, 1953

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	7,519	3,826	3,304
Other semi-finished shapes, not for re-rolling by makers	15,947	105	16,508
Structural shapes and piling	19,652	22,059	-
Plates	19,224	19,647	-
Rails	31,310	32,657	-
Tie plates and track material: Splice bars	956	917	-
Tie plates	6,538	6,535	-
Spikes	1,345	1,307	-
Concrete reinforcing bars	15,651	16,904	-
Hot rolled bars for cold finishing	1,523	-	1,512
Other hot rolled bars	45,527	35,445	6,943
Pipes and tubes	22,269	20,015	-
Wire rods	30,868	30,340	109
Hot rolled black sheets	80,147	28,702	52,821
Cold reduced black sheets	26,777	18,234	7,284
Galvanized sheets	10,022	9,246	-
Steel castings	5,838	5,756	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	54,327	28,934	28,895
Total carbon steel	395,440	280,629	117,376
<u>Alloy Steel</u>			
Billets, etc., for forging	611	547	-
Other semi-finished shapes, not for re-rolling by makers	580	-	580
Structural shapes and piling	-	-	-
Plates	424	469	-
Hot rolled bars for cold finishing	-	-	-
Other hot rolled bars	7,258	6,803	22
Pipes and tubes	-	-	-
Wire rods	216	314	-
Steel castings	2,053	1,723	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.) ...	936	902	-
Total alloy steel	12,078	10,758	602

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Ten Months Ended October, 1953

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	106,016	70,413	35,085
Other semi-finished shapes, not for re-rolling by makers	252,350	58,776	153,626
Structural shapes and piling	166,340	176,808	21
Plates	185,624	186,546	-
Rails	229,155	226,270	-
Tie plates and track material: Splice bars	12,811	12,532	-
Tie plates	42,292	42,227	-
Spikes	11,890	11,927	-
Concrete reinforcing bars	141,689	137,965	-
Hot rolled bars for cold finishing	12,954	1	12,915
Other hot rolled bars	432,642	352,181	65,207
Pipes and tubes	210,185	205,959	18
Wire rods	237,920	236,120	929
Hot rolled black sheets	775,728	226,232	544,602
Cold reduced black sheets	223,846	160,338	59,876
Galvanized sheets	91,731	90,421	46
Steel castings	64,442	63,889	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	671,427	320,364	342,294
Total carbon steel	3,869,042	2,578,969	1,214,619
<u>Alloy Steel</u>			
Billets, etc., for forging	15,496	15,731	-
Other semi-finished shapes, not for re-rolling by makers	6,651	-	6,651
Structural shapes and piling	-	-	-
Plates	2,672	2,722	-
Hot rolled bars for cold finishing	121	-	115
Other hot rolled bars	81,054	82,408	134
Pipes and tubes	-	-	-
Wire rods	1,242	1,282	-
Steel castings	22,104	20,678	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	10,936	10,849	-
Total alloy steel	140,276	133,670	6,900

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, October, 1953 and Year to Date

	October, 1953		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	14,596	6,195	180,993	74,581
Agricultural, including farm machinery ..	12,387	178	86,176	1,426
Building construction	40,384	63	356,441	580
Containers industry	21,375	12	239,407	406
Machinery and tools	12,042	760	124,810	7,503
Merchant trade products	35,465	519	293,160	3,748
Mining, lumbering, etc.	9,712	909	114,356	9,796
National defence	3,947	373	45,120	3,816
Pressing, forming and stamping	16,275	91	123,487	1,185
Public works and utilities	2,255	7	20,637	385
Railway operating	43,823	341	325,933	2,595
Railway cars and locomotives	18,012	641	155,366	3,552
Shipbuilding	2,062	31	26,009	665
Miscellaneous and unclassified	1,094	102	10,525	1,820
Wholesalers and warehouses	40,691	159	351,684	1,472
Direct export (a) to British Empire	221	8	30,764	567
(b) to other countries	6,288	369	94,101	19,573
Total shipped for sale	280,629	10,758	2,578,969	133,670
Producers' interchange	117,376	602	1,214,619	6,900

Table 13 - Imports of Primary Forms of Iron and Steel, October, 1953 and Year to Date

Commodity	Country of origin	October, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	-	-	-	659	-	-
Malleable	United States	-	-	-	3,301	-	-
	France	-	-	-	110	-	-
Silvery	United States	56	-	-	1,504	-	-
Foundry	United States	111	-	-	3,377	-	-
	Australia	-	-	-	2,584	-	-
Ingot	United States	318	-	-	1,600	54	-
	Austria	-	-	-	111	-	-
Billets, blooms, slabs and sheet bars ...	United States	-	8	-	79	256	-
	United Kingdom	-	-	-	-	12	-
Tube rounds and tube billets	United States	67	-	-	1,709	-	1.9
Bars and sections -							
Hot rolled, n.o.p.	United States	4,508	1,077	13.9	40,722	5,565	257.7
	United Kingdom	506	50	35.7	2,172	710	104.4
	Belgium	1,496	-	-	11,539	-	-
	France	160	-	-	1,709	-	-
	Japan	-	-	-	112	-	-
	Germany	-	-	-	27	-	-
	Austria	-	-	-	10	-	-
	Sweden	-	-	-	1	-	-
Hot rolled -							
For agricultural implements	United States	1,042	-	-	6,510	8	-
	United Kingdom	-	-	-	33	-	-
Rounds over 4 7/8", squares over 4" .	United States	47	3	-	833	125	-
	United Kingdom	40	19	-	654	199	10.4
	Belgium	3	-	-	85	-	-
	France	-	-	-	24	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, October, 1953 and Year to Date (Continued)

Commodity	Country of origin	October, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (Concluded)							
Hot rolled - (Concluded)							
Angles, channels, etc.	United States	568	-	6.8	9,700	-	75.0
	Belgium	365	-	-	3,333	-	-
	United Kingdom	2	-	-	67	-	.1
	France	28	-	-	346	-	-
	Germany	-	-	-	1	-	-
	Japan	-	-	-	108	-	-
Structurals (bar sizes) for agricultural implements							
Sash or casement sections	United States	16	-	-	3,485	-	-
	United States	203	-	-	2,303	-	-
	Belgium	22	-	-	163	-	-
	United Kingdom	-	-	-	116	-	-
Cold finished, n.o.p.	United States	392	28	20.5	6,072	175	67.9
	United Kingdom	152	2	-	1,446	49	15.6
	Belgium	7	-	-	428	-	-
	Sweden	-	45	-	47	45	-
	France	-	-	-	20	-	-
Cold finished, for agricultural implements							
Tool steel	United States	318	-	-	3,164	-	-
	United States	4	43	-	167	553	-
	United Kingdom	26	77	-	373	688	-
Structurals	United States	16,001	-	-	152,017	-	-
	United Kingdom	1,095	-	-	8,459	-	-
	Belgium	6,577	-	-	36,278	-	-
	France	692	-	-	5,589	-	-
	Japan	-	-	-	18	-	-
	Germany	-	-	-	22	-	-
Plates -							
78" and under in width	France	362	-	-	362	-	-
	United States	3,982	59	19.1	40,796	627	687.2
	United Kingdom	698	-	141.8	14,792	-	384.6
	Germany	226	-	-	1,901	-	-
	Japan	769	-	-	5,597	-	-
	Belgium	-	-	-	2,107	-	-
Over 78" and under 100" in width	United States	2,272	-	2.5	29,625	1	40.6
	United Kingdom	230	-	-	12,720	-	-
	Japan	-	-	-	29	-	-
100" in width and over	United States	235	-	34.1	3,894	-	273.0
	United Kingdom	87	-	-	807	-	-
Flanged, dished or curved	United States	35	-	-	1,101	-	8.5
Boiler, pulp-mill digesters	United States	266	-	-	3,438	-	-
	United Kingdom	-	-	-	224	-	-
Chequered or surface pattern	United States	340	-	-	8,157	-	-
	United Kingdom	64	-	-	303	-	-
Sheets -							
Silicon .075 or more	United States	-	1,335	-	-	19,039	-
	United Kingdom	-	1	-	-	214	-
Galvanized	United States	1,339	-	-	10,427	-	-
	United Kingdom	250	-	-	4,679	-	-
	France	-	-	-	2	-	-
Hot rolled -							
18 gauge and heavier	United States	4,264	228	17.3	50,417	437	233.6
	United Kingdom	697	-	30.3	5,541	-	177.6
	Sweden	-	-	3.3	31	-	13.9
	Belgium	-	-	-	13	-	-
	Japan	-	-	-	178	-	-
Lighter than 18 gauge	United States	337	4	25.9	1,059	9	88.7
	United Kingdom	125	-	10.0	524	-	44.4

Table 13 - Imports of Primary Forms of Iron and Steel, October, 1953 and Year to Date (Continued)

		October, 1953			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)							
Sheets - (Concluded)							
Cold rolled -							
18 gauge and heavier	United States	545	50	97.3	9,984	50	875.9
	United Kingdom	410	-	5.1	3,133	-	355.6
	Sweden	-	-	-	3	-	-
Lighter than 18 gauge	United States	1,459	-	156.1	19,305	-	1,553.3
	United Kingdom	2,894	-	6.8	13,825	-	161.3
	Belgium	-	-	-	318	-	-
Corrugated	United States	377	-	-	6,079	-	-
	United Kingdom	-	-	-	27	-	-
	Germany	-	-	-	22	-	-
Coated with paint, tar, asphaltum, etc.	United States	219	-	-	1,347	-	-
For saws	United States	-	29	-	44	478	-
	United Kingdom	-	-	-	7	12	-
	Sweden	-	-	-	-	1	-
For hollow ware (vitreous enamel)	United States	698	-	-	6,537	-	-
	United Kingdom	287	-	-	8,984	-	-
	Belgium	-	-	-	73	-	-
Black plate - Tin mill	United States	42	-	-	147	-	-
For motor vehicles	United States	2,799	-	-	5,365	-	-
	United Kingdom	53	-	-	53	-	-
	Belgium	55	-	-	55	-	-
For heating apparatus	United States	103	-	-	223	-	-
For tubes	United States	4	-	-	501	-	-
Tin plate - Primes	United Kingdom	-	-	-	2,977	27	-
	United States	37	-	-	1,084	-	-
Electrolytic, 25 pounds ...	United Kingdom	-	-	-	81	-	-
Electrolytic, 50 pounds ...	United States	-	-	-	966	-	-
Electrolytic, 75 pounds ...	United States	-	-	-	108	-	-
Terne plate - Long	United States	737	-	-	5,803	-	-
Short	United States	92	-	-	2,356	-	-
	United Kingdom	5	-	-	5	-	-
Strip -							
Hot rolled -							
18 gauge and heavier	United States	1,261	14	20.7	15,025	110	58.5
	Belgium	-	-	-	248	-	-
	France	-	-	-	65	-	-
	United Kingdom	46	12	-	46	12	-
Lighter than 18 gauge	United States	43	-	3.7	359	46	3.7
	United Kingdom	1	-	-	1	-	-
Cold rolled -							
18 gauge and heavier	United States	374	6	20.3	3,574	129	360.5
	United Kingdom	64	-	-	373	5	-
	Sweden	-	-	-	1	1	-
Lighter than 18 gauge	United States	508	30	224.8	4,067	84	1,432.4
	Sweden	-	5	-	175	95	.7
	United Kingdom	107	-	-	682	-	.5
	Belgium	10	-	-	15	-	-
For cold rolling	United States	115	-	-	790	-	-
For shoe and corset laces, buckles, ball bearings, etc.	United States	8	-	-	173	-	-
	United Kingdom	-	-	-	20	-	-
For saws	United States	-	32	-	43	387	-
	United Kingdom	-	-	-	-	5	-
	Sweden	-	13	-	1	125	-
For motor vehicles	United States	1,679	-	-	13,631	-	-
For tubes	United States	14	-	-	1,410	-	-
	United Kingdom	-	-	-	57	-	-
For tubular products	United States	72	-	-	774	-	-
	United Kingdom	-	-	-	20	-	-
Coated with paint, tar, asphaltum	United States	862	-	-	5,514	-	-
	Germany	22	-	-	67	-	-
	United Kingdom	-	-	-	9	-	-
Silicon .075 or more	United States	-	433	-	-	4,076	-
	United Kingdom	-	18	-	-	18	-

Table 13 - Imports of Primary Forms of Iron and Steel, October, 1953 and Year to Date (Continued)

Commodity	Country of origin	October, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Strip - (Concluded)							
For butt hinges.....	United States	76	-	-	1,456	-	-
	United Kingdom	-	-	-	6	-	-
	Sweden	-	-	-	1	-	-
For hoops	United States	44	-	-	493	-	-
	United Kingdom	22	-	-	431	-	-
Galvanized strip	United States	273	-	-	4,104	-	-
	United Kingdom	58	-	-	422	-	-
	Germany	-	-	-	6	-	-
	Belgium	-	-	-	11	-	-
Skelp -							
15 3/8" in width	United States	7,160	-	-	69,636	-	-
	France	-	-	-	7,711	-	-
	Belgium	155	-	-	6,874	-	-
	United Kingdom	2,795	-	-	2,844	-	-
	Germany	-	-	-	7	-	-
Over 15 3/8" in width	United States	537	-	-	6,820	-	-
	Belgium	108	-	-	108	-	-
Plate	United States	-	-	-	989	-	-
Pipes and tubes -							
Cast	United States	53	-	-	688	-	-
	United Kingdom	2,461	-	-	22,370	-	-
	France	5	-	-	5	-	-
Bedstead	United States	-	-	-	42	-	-
	United Kingdom	-	-	-	5	-	-
Repair of pressure parts of boilers -							
Hot finished	United States	371	-	-	3,584	72	78.8
	United Kingdom	184	-	-	1,249	-	-
	Sweden	-	-	-	-	-	.9
	Germany	-	-	-	48	-	-
Cold drawn	United States	27	-	.4	506	37	27.5
	United Kingdom	29	-	-	174	-	.2
	Sweden	-	-	-	82	-	-
Welded	United States	288	-	10.2	2,019	-	10.7
	United Kingdom	214	-	-	765	-	-
Seamless, 12" and under in diameter -							
Cold drawn	United States	282	227	12.7	3,465	2,766	301.5
	United Kingdom	300	1	27.2	2,086	4	176.4
	Sweden	17	-	1.5	68	88	1.5
	Germany	-	-	-	61	-	-
Hot finished	United States	665	2	6.6	10,546	745	101.9
	United Kingdom	494	-	-	6,128	-	.2
	Sweden	-	-	-	-	84	-
	France	-	-	-	38	-	-
Seamless, over 12" in diameter -							
Hot finished	United States	150	-	-	3,506	30	4.4
	United Kingdom	-	-	-	4,602	-	-
Welded, 4" and under in diameter	United States	986	3	10.5	4,192	3	90.0
	United Kingdom	256	-	-	8,887	-	.2
	Belgium	-	-	-	97	-	-
	Germany	19	-	-	19	-	-
Welded, over 4" in diameter	United States	257	-	4.4	93,761	-	33.6
	United Kingdom	135	-	-	2,953	-	-
Tubing -							
Not over 1/2" diameter, welded and coated	United States	30	-	-	320	-	-
Spiral welded	United States	516	-	-	2,949	-	-
Conduit	United States	441	-	-	3,228	-	-
	United Kingdom	2	-	-	7	-	-
	Germany	3	-	-	3	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, October, 1953 and Year to Date (Continued)

Commodity	Country of origin	October, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes - (Concluded)							
Casings	United States	5,821	-	-	62,019	-	-
	United Kingdom	510	-	-	12,432	-	-
	Germany	236	-	-	2,393	-	-
	Japan	-	-	-	1,258	-	-
	Italy	-	-	-	1,465	-	-
	Belgium	660	-	-	1,216	-	-
Fittings and couplings	United States	445	2	4.6	4,660	7	66.0
	United Kingdom	47	-	-	406	-	-
	Germany	79	-	-	118	-	-
	Japan	-	-	-	88	-	-
Wire rope							
	United States	36	-	.3	460	-	.3
	United Kingdom	77	-	-	654	-	-
	Belgium	-	-	-	21	-	-
	Germany	9	-	-	254	-	-
	Norway	-	-	-	8	-	-
	Holland	-	-	-	38	-	-
Wire for rope	United States	201	-	-	5,330	-	1.4
	United Kingdom	753	-	-	6,935	-	-
	Germany	-	-	-	5	-	-
Wire - For corset laces, steels, etc.	United States	6	-	-	101	-	-
	United Kingdom	1	-	-	2	-	-
For spring mattresses, etc.	United States	57	-	-	3,735	-	-
	United Kingdom	-	-	-	679	-	-
Wire - coated	United States	47	-	-	467	-	-
	United Kingdom	71	-	-	138	-	-
	Germany	-	-	-	6	-	-
Wire, all other	United States	307	2	7.8	3,033	144	24.4
	United Kingdom	41	-	-	164	-	-
	Germany	-	-	-	93	1	-
	Sweden	3	-	-	24	1	-
	Belgium	-	-	-	83	-	-
	France	-	-	-	55	-	-
Wire rods, not over 3/8" in diameter	United States	169	-	-	2,981	-	-
	Belgium	-	-	-	3,048	-	-
	Germany	828	-	-	861	-	-
	United Kingdom	113	-	-	2,007	-	-
	France	-	-	-	697	-	-
	Sweden	-	-	-	114	-	-
Welding wire and welding rods	United States	62	69	-	1,926	441	6.8
	United Kingdom	-	-	-	-	1	.2
Castings -							
For agricultural implements	United States	-	-	-	612	-	-
For ingot moulds	United States	2,534	-	-	27,463	-	-
	United Kingdom	-	-	-	272	-	-
Malleable	United States	32	-	-	154	-	-
Non-malleable	United States	48	-	-	373	-	-
Steel	United States	20	-	-	275	8	-
	United Kingdom	-	-	-	4	-	-
	France	-	-	-	46	-	-
	Norway	-	-	-	198	-	-
For railway vehicles	United States	-	-	-	39	-	-
Rolls	United States	231	121	-	3,771	756	-
	United Kingdom	-	-	-	132	70	-
Piston rings (rough)	United States	15	-	-	143	-	-
	United Kingdom	-	-	-	1	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, October, 1953 and Year to Date (Concluded)

Commodity	Country of origin	October, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Forgings	United States	26	-	-	500	57	1.7
	United Kingdom	-	-	-	389	-	-
	Germany	-	-	-	12	-	-
Wheels - For railway rolling stock	United States	21	-	-	409	-	-
	United Kingdom	2,516	-	-	10,800	-	-
Tires - For railway rolling stock	United States	-	-	-	87	-	-
	United Kingdom	686	-	-	1,313	-	-
Axles - For railway vehicles	United States	7	-	-	757	-	-
Rails -							
60 lb. and under	United States	31	-	-	752	-	-
	Belgium	67	-	-	813	-	-
	United Kingdom	-	-	-	53	-	-
	Germany	60	-	-	60	-	-
Over 60 lb. and including 100 lb.	United States	5	-	-	2,431	-	-
	United Kingdom	-	-	-	808	-	-
Over 100 lb.	United States	2	-	-	2,332	-	-
	United Kingdom	-	-	-	6	-	-
Track material -							
Angles, bars, tie plates, rail joints .	United States	778	-	-	7,487	-	-
	Belgium	4	-	-	36	-	-
	United Kingdom	-	-	-	204	-	-
	Germany	2	-	-	2	-	-
Intersections, switches, frogs	United States	-	-	-	269	-	-
	Belgium	-	-	-	1	-	-
Total imports	United States	71,789	3,805	720.5	838,088	37,302	6,767.4
	All other	32,690	243	261.7	273,725	2,440	1,448.7
TOTAL		104,479	4,048	982.2	1,111,813	39,742	8,216.1

Table 14 - Exports of Primary Iron and Steel, October, 1953 and Year to Date

	October, 1953		Year to date	
	(Tons of 2,000 pounds)			
Pig iron	22,384		306,669	
Ingots, blooms and billets	188		126,011	
Bars	779		19,162	
Rods	18		481	
Plates, sheets and strips	6,338		83,521	
Rails	-		3,445	
Structural shapes	119		4,044	
Pipe and tubing - Wrought iron	6		214	
Cast iron	87		345	
Galvanized	-		65	
Other	204		1,568	
Castings, iron and steel	765		7,335	
Forgings	1,132		11,976	
Total	32,020		564,836	



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PRIMARY IRON AND STEELNOVEMBER - 1953

Pig Iron - Production of pig iron in Canada amounted to 254,643 tons in November, 1953, compared with 225,490 tons in the corresponding month of last year. The total for the current month included 210,048 tons of basic iron, 20,467 tons of malleable iron and 24,128 tons of foundry iron.

Ferro-alloys - Output of ferro-alloys in November, 1953, amounted to 8,777 tons compared with 8,522 tons in the previous month and with 19,430 tons in November of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during November, 1953, totalled 332,703 tons compared with 306,274 tons in November of last year. Output in the month under review included 324,497 tons of ingots and 8,206 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During November, 1952 and 1953

	November, 1952		November, 1953	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	168,497	16,493	210,048	12,848
Foundry	19,664	23,270	24,128	16,916
Malleable	37,329	32,395	20,467	21,318
Total pig iron	225,490	72,158	254,643	51,082
<u>Ferro-alloys</u>	19,430	19,730	8,777	8,671

* Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Eleven Months Ended November, 1952 and 1953

	1952		1953	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	1,894,360	167,166	2,248,282	93,957
Foundry	197,004	190,098	158,007	142,792
Malleable	357,969	340,272	385,454	370,641
Total pig iron	2,449,333	697,536	2,791,743	607,390
<u>Ferro-alloys</u>	215,348	208,255	141,815	134,420

* Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During November and Eleven Months Ended November, 1952 and 1953

	November		Eleven months ended November	
	1952	1953	1952	1953
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	78,874	111,884	1,264,507	1,218,646
Imported	290,801	340,497	3,100,848	3,619,917
Mill cinder, scale, sinter, etc. ...	66,052	57,336	399,067	657,190
Limestone	80,626	99,446	900,726	987,043
Dolomite	17,971	25,799	188,879	287,901
Coke	208,277	237,735	2,274,885	2,581,108
Scrap iron and steel	11,078	6,641	101,967	86,748

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Table 4 - Description of Iron Blast Furnaces at End of November, 1953

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	11	3,041,200	79.6
Banked	1	133,000	3.5
Blown out	4	643,800	16.9
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During November, 1952 and 1953

	1952		1953	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	250,210	1,428	286,978	...
Electric	47,664(**)	715(**)	37,519	13
Total steel ingots	297,874	2,143	324,497	13
Alloy steel ingots included in above ...	24,144	15	9,274	13
<u>Steel Castings</u>				
Open hearth - basic	2,805	2,397	2,658	2,224
Converter	41	12	...	...
Electric	5,554	4,298	5,548	4,628
Total steel castings	8,400	6,707	8,206	6,852
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	98	65	233	202
(b) High alloy, manganese and abrasion resistant	869	972	869	839
(c) All other alloys	825	356	927	352

(*) Includes amounts for sale and for own use. (**) Revised.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Eleven Months Ended November, 1952 and 1953

	1952		1953	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	2,752,242	117,198	3,263,928	45,608
Electric	513,946(**)	18,314(**)	449,540	592
Total steel ingots	3,266,188	135,512	3,713,468	46,200
Alloy steel ingots included in above ...	202,244	461	173,072	325
<u>Steel Castings</u>				
Open hearth - basic	32,301	29,026	27,804	23,705
Converter	355	318	289	213
Electric	81,615	62,750	68,478	53,376
Total steel castings	114,271	92,094	96,571	77,354
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	1,195	946	2,813(**)	2,485(**)
(b) High alloy, manganese and abrasion resistant	17,438	16,016	12,017(**)	11,171(**)
(c) All other alloys	27,014	3,721	24,896(**)	2,702(**)

(*) Includes amounts for sale and for own use. (**) Revised.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces During November, 1952 and 1953 and Eleven Months Ended November, 1953

	November 1952	November 1953	Eleven months ended November, 1953
(Net tons of 2,000 pounds)			
Pig iron	154,642	194,344	3,140,357
Scrap - Own make	88,343	100,864	1,079,610
Purchased	93,410	67,952	976,454

Table 8 - Steel Furnace Capacity at Thirty-First of October, 1953

	Annual capacity
(Net tons of 2,000 pounds)	
Ingots - Basic open hearth	3,951,300
Electric	714,400
Total ingots	4,665,700
Steel castings	313,900
Total ingots and castings	4,979,600

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1952 and 1953

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
			(Net tons of 2,000 pounds)		
<u>1 9 5 2</u>					
January	209,153	21,458	303,721	11,313	315,034
February	199,162	22,171	291,846	11,519	303,365
March	240,755	23,097	325,385	11,511	336,896
April	214,330	19,856	302,456	11,685	314,141
May	237,079	21,112	316,390	11,634	328,024
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	284,996	8,076	293,072
August	221,387	16,583	277,759	9,339	287,098
September	222,686	17,641	274,662	10,334	284,996
October	220,464	19,152	297,093	9,011	306,104
November	225,490	19,430	297,874	8,400	306,274
Total eleven months	2,449,333	215,348	3,266,188(*)	114,271	3,380,459
December	232,732	18,437	311,918	7,766	319,684
Total	2,682,065	232,036	3,578,106	122,037	3,700,143
<u>1 9 5 3</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
Total eleven months	2,791,743	141,815	3,713,468	96,571	3,810,039

(*) Revised.

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Of the amounts shipped for sale during November, 67,686 tons went direct to railways and railway car shops; 14,431 tons went to pressing, forming and stamping plants; 34,533 tons to merchant trade products; 37,769 tons to building construction; 17,251 tons to the containers industry; 8,815 tons to agricultural equipment; 18,609 tons to the automotive industry; 13,081 tons to machinery plants; 1,158 tons to shipbuilding; 8,219 tons to mining, lumbering, etc., and 7,500 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 36,557 tons, and exports for 4,754 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 112,443 tons in November, 1953.

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	5,943	3,521	3,557
Other semi-finished shapes, not for re-rolling by makers	11,693	161	14,683
Structural shapes and piling	15,901	18,674	...
Plates	22,772	19,995	...
Rails	36,601	30,941	...
Tie plates and track material: Splice bars	1,154	926	...
Tie plates	6,421	6,133	...
Spikes	804	712	...
Concrete reinforcing bars	15,817	14,540	...
Hot rolled bars for cold finishing	751	...	749
Other hot rolled bars	47,047	35,418	7,329
Pipes and tubes	18,524	15,642	...
Wire rods	27,394	28,175	149
Hot rolled black sheets	78,225	22,963	55,085
Cold reduced black sheets	27,051	20,606	8,124
Galvanized sheets	9,074	8,840	...
Steel castings	6,125	6,247	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	49,308	26,502	22,490
Total carbon steel	380,605	259,996	112,166
<u>Alloy Steel</u>			
Billets, etc., for forging	703	886	...
Other semi-finished shapes, not for re-rolling by makers	260	...	260
Structural shapes and piling .....	...	...	...
Plates	155	183	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,218	6,636	17
Pipes and tubes .....	...	...	...
Wire rods	138	104	...
Steel castings	1,949	1,732	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	825	826	...
Total alloy steel	10,248	10,367	277

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Eleven Months Ended November, 1953

	November 1955	November 1954	
	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	111,959	73,934	38,642
Other semi-finished shapes, not for re-rolling by makers	264,043	58,937	168,309
Structural shapes and piling	182,251	195,482	21
Plates	208,396	206,541	...
Rails	265,756	257,211	...
Tie plates and track material: Splice bars	13,965	13,458	...
Tie plates	48,713	48,360	...
Spikes	12,694	12,639	...
Concrete reinforcing bars	157,506	152,505	...
Hot rolled bars for cold finishing	13,705	1	13,664
Other hot rolled bars	479,689	387,599	72,536
Pipes and tubes	228,709	221,601	18
Wire rods	265,314	264,295	1,078
Hot rolled black sheets	853,953	249,195	599,687
Cold reduced black sheets	250,897	180,944	68,000
Galvanized sheets	100,805	99,261	46
Steel castings	70,567	70,136	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	720,735	346,866	364,784
Total carbon steel	4,249,647	2,838,965	1,326,785
<u>Alloy Steel</u>			
Billets, etc., for forging	16,199	16,617	...
Other semi-finished shapes, not for re-rolling by makers	6,911	...	6,911
Structural shapes and piling .....	...	...	...
Plates	2,827	2,905	...
Hot rolled bars for cold finishing	121	...	115
Other hot rolled bars	87,272	89,044	151
Pipes and tubes .....	...	...	...
Wire rods	1,380	1,386	...
Steel castings	24,053	22,410	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	11,761	11,675	...
Total alloy steel	150,524	144,037	7,177

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Primary Iron and Steel

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Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, November, 1953 and Year to Date

	November, 1953		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	13,748	4,861	194,741	79,442
Agricultural, including farm machinery ..	8,604	211	94,780	1,637
Building construction	37,728	41	394,169	621
Containers industry	17,248	3	256,655	409
Machinery and tools	12,507	574	137,317	8,077
Merchant trade products	34,308	225	327,468	3,973
Mining, lumbering, etc.	7,486	733	121,842	10,529
National defence	3,435	404	48,555	4,220
Pressing, forming and stamping	14,345	86	137,832	1,271
Public works and utilities	2,207	243	22,844	628
Railway operating	42,563	218	368,496	2,813
Railway cars and locomotives	24,499	406	179,865	3,958
Shipbuilding	1,127	31	27,136	696
Miscellaneous and unclassified	1,073	138	11,598	1,958
Wholesalers and warehouses	36,446	111	388,130	1,583
Direct export (a) to British Empire	77	60	30,841	627
(b) to other countries	2,595	2,022	96,696	21,595
Total shipped for sale	259,996	10,367	2,838,965	144,037
Producers' interchange	112,166	277	1,326,785	7,177

Table 13 - Imports of Primary Forms of Iron and Steel, November, 1953 and Year to Date

Commodity	Country of origin	November, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	...	...	...	659	...	...
Malleable	United States	...	...	...	3,301	...	...
	France	...	...	...	110	...	...
Silvery	United States	329	...	...	1,833	...	...
Foundry	United States	56	...	...	3,433	...	...
	Australia	...	...	...	2,584	...	...
Ingots	United States	130	...	...	1,730	54	...
	Austria	...	...	...	111	...	...
Billets, blooms, slabs and sheet							
bars	United States	...	137	...	79	393	...
	United Kingdom	...	7	...	...	19	...
Tube rounds and tube billets	United States	...	...	...	1,709	...	1.9
Bars and sections -							
Hot rolled, n.o.p.	United States	3,568	552	5.7	44,290	6,117	263.4
	United Kingdom	581	42	15.6	2,753	752	120.0
	Belgium	972	...	...	12,511	...	...
	France	60	...	...	1,769	...	...
	Japan	...	...	...	112	...	...
	Germany	...	...	...	27	...	...
	Austria	9	...	...	19	...	...
	Sweden	...	...	...	1	...	...
Hot rolled -							
For agricultural implements	United States	587	...	...	7,097	8	...
	United Kingdom	...	...	...	33	...	...
Rounds over 4 ⁷ / ₈ ", squares over 4".	United States	49	8	...	882	133	...
	United Kingdom	277	681	199	11.1
	Belgium	4	89
	France	24

Primary Iron and Steel

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Table 13 - Imports of Primary Forms of Iron and Steel, November, 1953 and Year to Date (Continued)

Commodity	Country of origin	November, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Bars and sections - (Concluded)							
Hot rolled - (Concluded)							
Angles, channels, etc.	United States	462	...	2.0	10,162	...	77.0
	Belgium	138	...	...	3,471	...	...
	United Kingdom	...	...	...	67	...	.1
	France	36	...	...	382	...	...
	Germany	...	...	...	1	...	...
	Japan	...	...	...	108	...	...
Structurals (bar sizes) for							
agricultural implements	United States	375	...	...	3,860	...	...
Sash or casement sections	United States	652	...	...	2,955	...	...
	Belgium	...	...	...	163	...	...
	United Kingdom	...	...	...	116	...	...
Cold finished, n.o.p.	United States	431	54	7.8	6,503	229	75.7
	United Kingdom	232	...	11.1	1,678	49	26.7
	Belgium	...	...	...	428	...	...
	Sweden	48	...	...	95	45	...
	France	...	...	...	20	...	...
Cold finished, for agricultural							
implements	United States	444	...	...	3,608	...	...
Tool steel	United States	2	56	...	169	609	...
	United Kingdom	106	132	...	479	820	...
Structurals	United States	18,116	...	...	170,133	...	...
	United Kingdom	2,548	...	...	11,007	...	...
	Belgium	6,073	...	...	42,351	...	...
	France	1,038	...	...	6,627	...	...
	Japan	...	...	...	18	...	...
	Germany	...	...	...	22	...	...
Plates -							
78" and under in width							
	France	16	...	...	378	...	...
	United States	3,710	56	5.4	44,506	683	692.6
	United Kingdom	3,333	...	28.8	18,125	...	413.4
	Germany	303	...	...	2,204	...	...
	Japan	453	...	...	6,050	...	...
	Belgium	...	...	...	2,107	...	...
Over 78" and under 100" in width .	United States	3,186	...	...	32,811	1	40.6
	United Kingdom	1,903	...	...	14,623	...	...
	Japan	...	...	...	29	...	...
100" in width and over	United States	424	...	1.9	4,318	...	274.9
	United Kingdom	254	...	...	1,061	...	...
Flanged, dished or curved	United States	123	...	...	1,224	...	8.5
Boiler, pulp-mill digesters	United States	113	...	...	3,551	...	...
	United Kingdom	...	...	...	224	...	...
Chequered or surface pattern	United States	634	...	...	8,791	...	...
	United Kingdom	...	...	...	303	...	...
Sheets -							
Silicon .075 or more							
	United States	...	1,489	...	...	20,528	...
	United Kingdom	...	229	...	...	443	...
Galvanized	United States	1,659	...	...	12,086	...	...
	United Kingdom	576	...	...	5,255	...	...
	France	...	...	...	2	...	...
Hot rolled -							
18 gauge and heavier							
	United States	3,857	55	4.6	54,274	492	238.2
	United Kingdom	643	...	85.1	6,184	...	262.7
	Sweden	...	...	.9	31	...	14.8
	Belgium	...	...	...	13	...	...
	Japan	...	...	...	178	...	...
Lighter than 18 gauge	United States	12	3	.5	1,071	12	89.2
	United Kingdom	...	...	7.7	524	...	52.1

Table 13 - Imports of Primary Forms of Iron and Steel, November, 1953 and Year to Date (Continued)

		November, 1953			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)							
Sheets - (Concluded)							
Cold rolled -							
18 gauge and heavier	United States	1,304	...	107.8	11,288	50	983.7
	United Kingdom	893	...	20.9	4,026	...	376.5
	Sweden	...	...	...	3	...	...
Lighter than 18 gauge	United States	1,381	...	140.1	20,686	...	1,693.4
	United Kingdom	2,147	...	6.6	15,972	...	167.9
	Belgium	...	...	...	318	...	...
Corrugated	United States	885	...	...	6,964	...	...
	United Kingdom	...	...	...	27	...	...
	Germany	...	...	...	22	...	...
Coated with paint, tar, asphaltum, etc.	United States	143	...	...	1,490	...	...
For saws	United States	...	39	...	44	517	...
	United Kingdom	...	...	...	7	12	...
	Sweden	...	...	...	...	1	...
For hollow ware (vitreous enamel)	United States	617	...	...	7,154	...	...
	United Kingdom	450	...	...	9,434	...	...
	Belgium	...	...	...	73	...	...
Black plate - Tin mill	United States	...	...	...	147	...	...
For motor vehicles	United States	5,205	...	...	10,570	...	...
	United Kingdom	...	...	...	53	...	...
	Belgium	...	...	...	55	...	...
For heating apparatus	United States	27	...	...	250	...	...
For tubes	United States	...	...	...	501	...	...
Tin plate - Primes	United States	74	...	...	3,051	27	...
	United Kingdom	3	...	...	1,087	...	...
Electrolytic, 25 pounds	United Kingdom	...	...	...	81	...	...
Electrolytic, 50 pounds	United States	...	...	...	966	...	...
Electrolytic, 75 pounds	United States	...	...	...	108	...	...
Terne plate - Long	United States	610	...	...	6,413	...	...
Short	United States	234	...	...	2,590	...	...
	United Kingdom	7	...	...	12	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	913	12	26.8	15,938	122	85.3
	Belgium	...	...	...	248	...	...
	France	...	...	...	65	...	...
	United Kingdom	29	...	...	75	12	...
Lighter than 18 gauge	United States	13	...	...	372	46	3.7
	United Kingdom	...	...	...	1	...	...
Cold rolled -							
18 gauge and heavier	United States	207	59	84.2	3,781	188	444.7
	United Kingdom	55	...	...	428	5	...
	Sweden	...	...	...	1	1	...
	Netherlands	6	...	...	6	...	...
Lighter than 18 gauge	United States	232	37	183.7	4,299	121	1,616.1
	Sweden	...	2	...	175	97	.7
	United Kingdom	132	...	...	814	...	.5
	Belgium	...	...	...	15	...	...
For cold rolling	United States	...	...	...	790	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	30	...	...	203	...	...
	United Kingdom	...	...	...	20	...	...
For saws	United States	...	49	...	43	436	...
	United Kingdom	...	...	...	...	5	...
	Sweden	...	5	...	1	130	...
For motor vehicles	United States	3,073	...	...	16,704	...	...
For tubes	United States	247	...	...	1,657	...	...
	United Kingdom	...	...	...	57	...	...
For tubular products	United States	774
	United Kingdom	20

Primary Iron and Steel

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Table 13 - Imports of Primary Forms of Iron and Steel, November, 1953 and Year to Date (Continued)

Commodity	Country of origin	November, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
Strip - (Concluded)		(Tons of 2,000 pounds)					
Coated with paint, tar, asphaltum .	United States	514	...	...	6,028	...	...
	Germany	8	...	...	75	...	...
	United Kingdom	...	...	...	9	...	...
Silicon .075 or more	United States	...	384	...	...	4,460	...
	United Kingdom	...	...	...	...	18	...
For butt hinges	United States	89	...	...	1,545	...	...
	United Kingdom	20	...	...	26	...	...
	Sweden	...	...	...	1	...	...
For hoops	United States	54	...	...	547	...	...
	United Kingdom	11	...	...	442	...	...
Galvanized strip	United States	377	...	...	4,481	...	...
	United Kingdom	550	...	...	972	...	...
	Germany	...	...	...	6	...	...
	Belgium	1	...	...	12	...	...
<hr/>							
Skelp -							
15 3/8" in width	United States	11,285	...	...	80,921	...	...
	France	541	...	...	8,252	...	...
	Belgium	1,097	...	...	7,971	...	...
	United Kingdom	2,868	...	...	5,712	...	...
	Germany	...	...	...	7	...	...
Over 15 3/8" in width	United States	1,487	...	...	8,307	...	...
	Belgium	...	...	...	108	...	...
Plate	United States	...	...	...	989	...	...
<hr/>							
Pipes and tubes -							
Cast	United States	26	...	...	714	...	...
	United Kingdom	1,951	...	...	24,321	...	...
	France	...	...	...	5	...	...
Bedstead	United States	...	...	...	42	...	...
	United Kingdom	...	...	...	5	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	116	...	13.4	3,700	72	92.2
	United Kingdom	316	...	...	1,565	...	...
	Sweden	7	...	...	7	...	.9
	Germany	...	...	...	48	...	...
Cold drawn	United States	23	...	...	529	37	27.5
	United Kingdom	5	...	...	179	...	.2
	Sweden	...	...	...	82	...	...
Welded	United States	270	...	...	2,289	...	10.7
	United Kingdom	299	...	...	1,064	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	192	131	10.0	3,657	2,897	311.5
	United Kingdom	166	2	12.7	2,252	6	189.1
	Sweden	22	...	5.8	90	88	7.3
	Germany	...	...	...	61	...	...
	United States	485	11	...	11,031	756	101.9
Hot finished	United Kingdom	245	...	...	6,373	...	.2
	Sweden	...	...	...	...	84	...
	France	...	...	...	38	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	154	...	1.2	3,660	30	5.6
	United Kingdom	...	...	...	4,602	...	...
Welded, 4" and under in diameter	United States	585	...	4.9	4,777	3	94.9
	United Kingdom	546	...	...	9,433	...	.2
	Belgium	6	...	...	103	...	...
	Germany	1	...	...	20	...	...
	France	5	...	...	5	...	...
Welded, over 4" in diameter	United States	214	...	1.3	93,975	...	34.9
	United Kingdom	50	...	...	3,003	...	...
<hr/>							
Tubing -							
Not over 1/2" diameter, welded and coated	United States	15	...	...	335	...	...
	United States	377	...	...	3,326	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, November, 1953 and Year to Date (Continued)

Commodity	Country of origin	November, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes - (Concluded)							
Conduit	United States	358	...	...	3,586	...	...
	United Kingdom	...	...	...	7	...	...
	Germany	...	...	...	3	...	...
Casings	United States	5,164	...	...	67,183	...	...
	United Kingdom	750	...	...	13,182	...	...
	Germany	1,192	...	...	3,585	...	...
	Japan	...	...	...	1,258	...	...
	Italy	...	...	...	1,465	...	...
	Belgium	...	...	...	1,216	...	...
Fittings and couplings	United States	293	...	3.0	4,953	7	69.0
	United Kingdom	38	...	...	444	...	...
	Germany	...	...	...	118	...	...
	Japan	...	...	...	88	...	...
Wire rope	United States	30	...	...	490	...	.3
	United Kingdom	115	...	...	769	...	...
	Belgium	2	...	...	23	...	...
	Germany	5	...	...	259	...	...
	Norway	...	...	...	8	...	...
	Holland	...	...	...	38	...	...
Wire for rope	United States	221	...	.2	5,551	...	1.6
	United Kingdom	716	...	...	7,651	...	...
	Germany	...	...	...	5	...	...
	Norway	46	...	...	46	...	...
Wire - For corset laces, steels, etc. .	United States	11	...	...	112	...	...
	United Kingdom	...	...	...	2	...	...
For spring mattresses, etc.	United States	92	...	...	3,827	...	...
	United Kingdom	1	...	...	680	...	...
Wire - coated	United States	33	...	...	500	...	...
	United Kingdom	...	...	...	138	...	...
	Germany	25	...	...	31	...	...
Wire, all other	United States	352	17	2.4	3,385	161	26.8
	United Kingdom	65	...	1.7	229	...	1.7
	Germany	7	...	...	100	1	...
	Sweden	...	...	...	24	1	...
	Belgium	...	...	...	83	...	...
	France	...	...	...	55	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	177	...	...	3,158	...	...
	Belgium	...	...	...	3,048	...	...
	Germany	604	...	...	1,465	...	...
	United Kingdom	101	...	...	2,108	...	...
	France	...	...	...	697	...	...
	Sweden	...	...	...	114	...	...
Welding wire and welding rods	United States	108	88	...	2,034	529	6.8
	United Kingdom	...	...	...	...	1	.2
Castings -							
For agricultural implements	United States	...	...	...	612	...	...
For ingot moulds	United States	3,488	...	...	30,951	...	...
	United Kingdom	...	...	...	272	...	...
Malleable	United States	7	...	...	161	...	...
Non-malleable	United States	66	...	...	439	...	...
Steel	United States	1	...	...	276	8	...
	United Kingdom	...	...	...	4	...	...
	France	...	...	...	46	...	...
	Norway	67	...	...	265	...	...
For railway vehicles	United States	...	...	...	39	...	...
Rolls	United States	386	93	...	4,157	849	...
	United Kingdom	132	70	...
Piston rings (rough)	United States	7	150
	United Kingdom	1

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Table 13 - Imports of Primary Forms of Iron and Steel, November, 1953 and Year to Date (Concluded)

Commodity	Country of origin	November, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Forgings	United States	8	...	...	508	57	1.7
	United Kingdom	...	...	...	389	...	...
	Germany	...	...	...	12	...	...
Wheels - For railway rolling stock	United States	...	...	...	409	...	...
	United Kingdom	2,867	...	...	13,667	...	...
Tires - For railway rolling stock	United States	36	...	...	123	...	...
	United Kingdom	143	...	...	1,456	...	...
Axles - For railway vehicles	United States	...	...	...	757	...	...
Rails -							
60 lb. and under	United States	3	...	...	755	...	...
	Belgium	...	...	...	813	...	...
	United Kingdom	...	...	...	53	...	...
	Germany	...	...	...	60	...	...
Over 60 lb. and including 100 lb.	United States	37	...	...	2,468	...	...
	United Kingdom	...	...	...	808	...	...
Over 100 lb.	United States	...	...	...	2,332	...	...
	United Kingdom	...	...	...	6	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	463	...	...	7,950	...	...
	Belgium	...	...	...	36	...	...
	United Kingdom	...	...	...	204	...	...
	Germany	...	...	...	2	...	...
Intersections, switches, frogs ..	United States	6	...	...	275	...	...
	Belgium	...	...	...	1	...	...
Total imports	United States	81,724	3,330	606.9	919,812	40,632	7,374.3
	All other	38,534	419	197.6	312,259	2,859	1,646.3
TOTAL		120,258	3,749	804.5	1,232,071	43,491	9,020.6

Table 14 - Exports of Primary Iron and Steel, November, 1953 and Year to Date

	November, 1953		Year to date	
	(Tons of 2,000 pounds)			
Pig iron	27,359		334,028	
Ingots, blooms and billets	705		126,716	
Bars	724		19,886	
Rods	656		1,137	
Plates, sheets and strips	1,882		85,403	
Rails .....	...		3,445	
Structural shapes	448		4,492	
Pipe and tubing - Wrought iron .....	...		214	
Cast iron	35		380	
Galvanized .....	...		65	
Other	185		1,753	
Castings, iron and steel	511		7,846	
Forgings	359		12,335	
Total	32,864		597,700	



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PRIMARY IRON AND STEELDECEMBER - 1953

Pig Iron - Production of pig iron in Canada amounted to 220,526 tons in December, 1953, compared with 232,732 tons in the corresponding month of last year. The total for the current month included 189,467 tons of basic iron, 18,645 tons of malleable iron and 12,414 tons of foundry iron.

Ferro-alloys - Output of ferro-alloys in December, 1953, amounted to 8,779 tons compared with 8,777 tons in the previous month and with 18,437 tons in December of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, ferro-zirconium, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during December, 1953, totalled 305,430 tons compared with 319,684 tons in December of last year. Output in the month under review included 296,345 tons of ingots and 9,085 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During December, 1952 and 1953

	December, 1952		December, 1953	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	169,997	9,443	189,467	7,479
Foundry	23,557	17,375	12,414	6,126
Malleable	39,178	30,178	18,645	5,453
Total pig iron	232,732	56,996	220,526	19,058
<u>Ferro-alloys</u>	18,437	16,780	8,779	7,564

* Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Twelve Months Ended December, 1952 and 1953

	1952		1953	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	2,064,357	176,609	2,437,749	101,436
Foundry	220,561	207,473	170,421	148,918
Malleable	397,147	370,450	404,099	376,094
Total pig iron	2,682,065	754,532	3,012,269	626,448
<u>Ferro-alloys</u>	233,787	225,035	150,595	141,984

* Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During December and Twelve Months Ended December, 1952 and 1953

	December		Twelve months ended December	
	1952	1953	1952	1953
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	73,745	97,400	1,338,252	1,316,046
Imported	320,173	299,281	3,421,021	3,919,198
Mill cinder, scale, sinter, etc. ...	70,298	47,981	469,865	705,171
Limestone	78,638	83,893	979,364	1,070,936
Dolomite	23,076	30,572	211,955	318,473
Coke	220,687	203,480	2,495,572	2,784,588
Scrap iron and steel	7,328	3,386	109,295	90,134

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Table 4 - Description of Iron Blast Furnaces at End of December, 1953

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	10	2,997,500	78.5
Banked .....	...	...	...
Blown out	6	820,500	21.5
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During December, 1952 and 1953

	1952		1953	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	266,774	4,173	258,116	69
Electric	45,144	15	38,229	...
Total steel ingots	311,918	4,188	296,345	69
Alloy steel ingots included in above ...	16,582	15	12,215	1
<u>Steel Castings</u>				
Open hearth - basic	2,067	1,714	2,680	2,378
Converter	33	60	...	...
Electric	5,666	4,255	6,405	5,142
Total steel castings	7,766	6,029	9,085	7,520
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	97	66	182	150
(b) High alloy, manganese and abrasion resistant	934	901	1,039	1,056
(c) All other alloys	855	287	927	175

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Twelve Months Ended December, 1952 and 1953

	1952		1953	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	3,019,016	121,371	3,522,044	45,677
Electric	559,090(**)	18,329(**)	487,769	592
Total steel ingots	3,578,106	139,700	4,009,813	46,269
Alloy steel ingots included in above ...	218,826	476	185,287	326
<u>Steel Castings</u>				
Open hearth - basic	34,368	30,740	30,484	26,083
Converter	388	378	289	213
Electric	87,281	67,005	74,883	58,518
Total steel castings	122,037	98,123	105,656	84,874
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	1,292	1,012	2,995	2,635
(b) High alloy, manganese and abrasion resistant	18,372	16,917	13,056	12,227
(c) All other alloys	27,869	4,008	10,993	2,877

(*) Includes amounts for sale and for own use. (**) Revised.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

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Table 7 - Pig Iron and Scrap Charged to Steel Furnaces, December, 1952 and 1953 and Twelve Months Ended December, 1953

	December 1952	December 1953	Twelve months ended December, 1953
	(Net tons of 2,000 pounds)		
Pig iron	162,945	177,149	3,317,506
Scrap - Own make	86,018	94,655	1,174,265
Purchased	103,913	59,647	1,036,101

Table 8 - Steel Furnace Capacity at Thirty-First of October, 1953

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,951,300
Electric	714,400
Total ingots	4,665,700
Steel castings	313,900
Total ingots and castings	4,979,600

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1952 and 1953

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots(*)	Castings	Total steel
(Net tons of 2,000 pounds)					
<u>1 9 5 2</u>					
January	209,153	21,458	303,721	11,313	315,034
February	199,162	22,171	291,846	11,519	303,365
March	240,755	23,097	325,385	11,511	336,896
April	214,330	19,856	302,456	11,685	314,141
May	237,079	21,112	316,390	11,634	328,024
June	229,266	17,591	294,006	11,449	305,455
July	229,561	15,508	284,996	8,076	293,072
August	221,387	16,583	277,759	9,339	287,098
September	222,686	17,641	274,662	10,334	284,996
October	220,464	19,152	297,093	9,011	306,104
November	225,490	19,430	297,874	8,400	306,274
December	232,732	18,437	311,918	7,766	319,684
Total	2,682,065	232,036	3,578,106	122,037	3,700,143
<u>1 9 5 3</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
December	220,526	8,779	296,345	9,085	305,430
Total	3,012,269	150,595	4,009,813	105,656	4,115,469

(*) Revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 253,135 net tons in December, 1953, compared with 258,722 tons in December, 1952. The December, 1953, shipments included 1,905 tons of semi-finished shapes, 18,557 tons of structurals, 19,918 tons of plates, 43,023 tons of rails, 3,535 tons of tie plates and track material, 43,235 tons of hot rolled bars, 13,095 tons of pipes and tubes, 20,782 tons of wire rods, 38,812 tons of black sheets, 7,102 tons of galvanized sheets, 8,729 tons of castings, and 34,442 tons of other rolled products. The amount of producers' interchange was 96,946 tons in December, 1953, as against 125,773 tons in December, 1952.

Of the amounts shipped for sale during December, 73,560 tons went direct to railways and railway car shops; 14,049 tons went to pressing, forming and stamping plants; 27,075 tons to merchant trade products; 39,965 tons to building construction; 12,871 tons to the containers industry; 8,773 tons to agricultural equipment; 15,445 tons to the automotive industry; 12,839 tons to machinery plants; 1,382 tons to shipbuilding; 7,551 tons to mining, lumbering, etc., and 5,270 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 33,264 tons, and exports for 1,091 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 96,946 tons in December, 1953.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, December, 1953

	P r o d u c t i o n	S h i p m e n t s	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon steel</u>			
Billets, etc., for forging	5,138	1,366	2,883
Other semi-finished shapes, not for re-rolling by makers	8,873	256	14,913
Structural shapes and piling	19,747	18,557	...
Plates	17,973	19,856	...
Rails	36,259	43,023	...
Tie plates and track material: Splice bars	974	776	...
Tie plates	1,654	2,369	...
Spikes	831	390	...
Concrete reinforcing bars	13,235	14,511	...
Hot rolled bars for cold finishing	455	...	455
Other hot rolled bars	39,503	37,325	3,287
Pipes and tubes	14,477	13,095	...
Wire rods	19,496	20,544	19
Hot rolled black sheets	74,843	20,092	52,835
Cold reduced black sheets	23,812	18,720	5,656
Galvanized sheets	8,140	7,102	...
Steel castings	6,825	6,803	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	40,335	19,065	15,929
Total carbon steel	332,570	243,850	95,977
<u>Alloy steel</u>			
Billets, etc., for forging	224	283	...
Other semi-finished shapes, not for re-rolling by makers	809	...	809
Structural shapes and piling .....	...	...	...
Plates	39	62	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,083	5,910	160
Pipes and tubes .....	...	...	...
Wire rods	261	238	...
Steel castings	2,064	1,926	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	943	866	...
Total alloy steel	10,423	9,285	969

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Twelve Months Ended December, 1953

	<u>Production</u> (including producers' interchange)	<u>Shipments</u> For Producers' sale interchange	
		(Tons of 2,000 pounds)	
<u>Carbon steel</u>			
Billets, etc., for forging	117,097	75,300	41,525
Other semi-finished shapes, not for re-rolling by makers	272,916	59,193	183,222
Structural shapes and piling	201,988	214,039	21
Plates	226,369	226,397	...
Rails	302,015	300,234	...
Tie plates and track material: Splice bars	14,939	14,234	...
Tie plates	50,367	50,729	...
Spikes	13,525	13,029	...
Concrete reinforcing bars	170,741	167,016	...
Hot rolled bars for cold finishing	14,160	1	14,119
Other hot rolled bars	519,192	424,924	75,823
Pipes and tubes	243,186	234,696	18
Wire rods	284,810	284,839	1,097
Hot rolled black sheets	923,796*	269,287	652,522
Cold reduced black sheets	274,709	199,664	73,656
Galvanized sheets	108,945	106,363	46
Steel castings	77,392	76,939	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	761,070	365,931	380,713
Total carbon steel	4,577,217*	3,082,815	1,422,762
<u>Alloy steel</u>			
Billets, etc., for forging	16,423	16,900	...
Other semi-finished shapes, not for re-rolling by makers	7,720	...	7,720
Structural shapes and piling .....	...	...	...
Plates	2,866	2,967	...
Hot rolled bars for cold finishing	121	...	115
Other hot rolled bars	93,355	94,954	311
Pipes and tubes .....	...	...	...
Wire rods	1,641	1,624	...
Steel castings	26,117	24,336	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	12,704	12,541	...
Total alloy steel	160,947	153,322	8,146

* - Year-end adjustment.

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, December, 1953 and Year to Date

	December, 1953		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	10,050	5,395	204,791	84,837
Agricultural, including farm machinery ...	8,705	68	103,485	1,705
Building construction	39,893	72	434,062	693
Containers industry	12,866	5	269,521	414
Machinery and tools	12,027	812	149,344	8,889
Merchant trade products	26,533	542	354,001	4,515
Mining, lumbering, etc.	6,728	823	128,570	11,352
National defence	2,081	298	50,636	4,518
Pressing, forming and stamping	13,949	100	151,781	1,371
Public works and utilities	1,630	57	24,474	685
Railway operating	51,606	174	420,102	2,987
Railway cars and locomotives	21,449	331	201,314	4,289
Shipbuilding	1,357	25	28,493	721
Miscellaneous and unclassified	1,090	114	12,688	2,072
Wholesalers and warehouses	33,205	59	421,335	1,642
Direct export (a) to British Empire	78	49	30,919	676
(b) to other countries	603	361	97,299	21,956
Total shipped for sale	243,850	9,285	3,082,815	153,322
Producers' interchange	95,977	969	1,422,762	8,146

Table 13 - Imports of Primary Forms of Iron and Steel, December, 1953 and Year to Date

Commodity	Country of origin	December, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	...	...	...	716*	...	...
Malleable	United States	...	...	...	3,424*	...	...
	Belgium*	...	...	...	110*	...	...
Silvery	United States	137	...	...	2,608*	...	...
Foundry	United States	248	...	...	4,748 *	...	...
	Australia	...	...	...	7,067*	...	...
	Spain	3,024	...	...	3,024	...	...
	Netherlands	...	...	...	3,360*	...	...
Ingots	United States	72	...	...	1,802	54	...
	Austria	...	...	...	111	...	...
Billets, blooms, slabs and sheet bars..	United States	...	8	...	79	401	...
	United Kingdom	...	5	...	...	24	...
Tube rounds and tube billets	United States	...	...	...	1,709	...	1.9
* - Year-end adjustments.							
Bars and sections -							
Hot rolled, n.o.p.	United States	2,298	583	7.1	46,588	6,700	270.5
	United Kingdom	59	105	4.6	2,812	857	124.6
	Belgium	299	...	...	12,810	...	...
	France	...	...	...	1,769	...	...
	Japan	...	...	...	112	...	...
	Germany	27	...	...	54	...	...
	Austria	...	...	...	19	...	...
	Sweden	...	...	...	1	...	...
Hot rolled -							
For agricultural implements	United States	383	...	...	7,480	8	...
	United Kingdom	...	...	...	33	...	...
Rounds over 4 7/8", squares over 4"	United States	128	10	...	1,010	143	...
	United Kingdom	...	4	...	681	203	11.1
	Belgium	6	95
	France	24

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Table 13 - Imports of Primary Forms of Iron and Steel, December, 1953 and Year to Date (Continued)

Commodity	Country of origin	December, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (Concluded)							
Hot rolled - (Concluded)							
Angles, channels, etc.	United States	426	...	.9	10,588	...	77.9
	Belgium	110	...	...	3,581	...	...
	United Kingdom	...	...	...	67	...	.1
	France	69	...	...	451	...	...
	Germany	...	...	...	1	...	...
	Japan	...	...	...	108	...	...
Structurals (bar sizes) for agricultural implements	United States	219	...	...	4,079	...	...
Sash or casement sections	United States	545	...	...	3,500	...	...
	Belgium	...	...	...	163	...	...
	United Kingdom	56	...	...	172	...	...
Cold finished, n.o.p.	United States	402	24	4.5	6,905	253	80.2
	United Kingdom	138	...	5.0	1,816	49	31.7
	Belgium	...	...	...	428	...	...
	Sweden	7	...	...	102	45	...
	France	...	...	...	20	...	...
Cold finished, for agricultural implements	United States	211	...	...	3,819	...	...
Tool steel	United States	6	50	...	175	659	...
	United Kingdom	34	47	...	513	867	...
Structurals	United States	19,393	...	...	189,526	...	...
	United Kingdom	1,182	...	...	12,189	...	...
	Belgium	1,671	...	...	44,022	...	...
	France	1,176	...	...	7,803	...	...
	Japan	...	...	...	18	...	...
	Germany	...	...	...	22	...	...
Plates -							
78" and under in width	United States	4,951	28	25.7	49,457	711	718.3
	France	...	...	...	378	...	...
	United Kingdom	1,609	...	14.8	19,734	...	428.2
	Germany	311	...	...	2,515	...	...
	Japan	447	...	...	6,497	...	...
	Belgium	...	...	...	2,107	...	...
Over 78" and under 100" in width ..	United States	3,039	...	...	35,850	1	40.6
	United Kingdom	795	...	...	15,418	...	...
	Japan	...	...	...	29	...	...
100" in width and over	United States	711	...	3.1	5,029	...	278.0
	United Kingdom	83	...	...	1,144	...	...
Flanged, dished or curved	United States	62	...	...	1,286	...	8.5
Boiler, pulp-mill digesters	United States	350	...	...	3,901	...	...
	United Kingdom	...	...	...	224	...	...
Chequered or surface pattern	United States	484	...	...	9,275	...	...
	United Kingdom	...	...	...	303	...	...
Sheets -							
Silicon .075 or more	United States	...	1,515	...	...	22,043	...
	United Kingdom	...	2	...	...	445	...
Galvanized	United States	1,995	...	...	14,081	...	...
	United Kingdom	133	...	...	5,388	...	...
	France	...	...	...	2	...	...
Hot rolled -							
18 gauge and heavier	United States	5,417	11	...	59,691	503	238.2
	United Kingdom	268	...	38.2	6,452	...	300.9
	Sweden	...	...	7.9	31	...	22.7
	Belgium	...	...	...	13	...	...
	Japan	...	...	...	178	...	...
Lighter than 18 gauge	United States	...	3	...	1,071	15	89.2
	United Kingdom	...	...	14.5	524	...	66.6

Table 13 - Imports of Primary Forms of Iron and Steel, December, 1953 and Year to Date (Continued)

Commodity	Country of origin	December, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets - (Concluded)							
Cold rolled -							
18 gauge and heavier	United States	1,002	...	128.8	12,290	50	1,112.5
	United Kingdom	118	...	17.1	4,144	...	393.6
	Sweden	...	...	13.6	3	...	13.6
Lighter than 18 gauge	United States	1,927	...	180.9	22,613	...	1,874.3
	United Kingdom	452	...	38.6	16,424	...	206.5
	Belgium	...	...	...	318	...	...
Corrugated	United States	759	...	...	7,723	...	...
	United Kingdom	...	...	...	27	...	...
	Germany	...	...	...	22	...	...
Coated with paint, tar, asphaltum, etc.	United States	121	...	...	1,611	...	...
For saws	United States	...	47	...	44	564	...
	United Kingdom	...	1	...	7	13	...
	Sweden	...	...	...	...	1	...
For hollow ware (vitreous enamel) .	United States	857	...	...	8,011	...	...
	United Kingdom	179	...	...	9,613	...	...
	Belgium	...	...	...	73	...	...
Black plate - tin mill	United States	...	...	...	147	...	...
For motor vehicles	United States	4,405	...	...	14,975	...	...
	United Kingdom	...	...	...	53	...	...
	Belgium	...	...	...	55	...	...
For heating apparatus	United States	...	...	...	250	...	...
For tubes	United States	...	...	...	501	...	...
Tin plate -Primes	United Kingdom	4	...	...	1,091	...	...
	United States	1	...	...	3,052	27	...
Electrolytic, 25 pounds.	United Kingdom	...	...	...	81	...	...
Electrolytic, 50 pounds.	United States	...	...	...	966	...	...
Electrolytic, 75 pounds.	United States	...	...	...	108	...	...
Terne plate - Long	United States	195	...	...	6,608	...	...
Short	United States	28	...	...	2,618	...	...
	United Kingdom	...	...	...	12	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	676	23	...	16,614	145	85.3
	Belgium	...	...	...	248	...	...
	France	...	...	...	65	...	...
	United Kingdom	...	...	...	75	12	...
Lighter than 18 gauge	United States	12	...	...	384	46	3.7
	United Kingdom	...	...	...	1	...	...
Cold rolled -							
18 gauge and heavier	United States	306	23	12.8	4,087	211	457.5
	United Kingdom	7	...	...	435	5	...
	Sweden	...	...	...	1	1	...
	Netherlands	...	...	...	6	...	...
Lighter than 18 gauge	United States	318	10	216.8	4,617	131	1,832.9
	Sweden	...	1	...	175	98	.7
	United Kingdom	...	...	...	814	...	.5
	Belgium	...	...	...	15	...	...
For cold rolling	United States	...	...	...	790	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	...	...	...	203	...	...
	United Kingdom	...	...	...	20	...	...
For saws	United States	...	69	...	43	505	...
	United Kingdom	...	...	...	...	5	...
	Sweden	...	8	...	1	138	...
For motor vehicles	United States	3,234	...	...	19,938	...	...
For tubes	United States	175	...	...	1,832	...	...
	United Kingdom	...	...	...	57	...	...
For tubular products	United States	...	...	...	774	...	...
	United Kingdom	...	...	...	20	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, December, 1953 and Year to Date (Continued)

Commodity	Country of origin	December, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
Strip - (Concluded)		(Tons of 2,000 pounds)					
Coated with paint, tar, asphaltum .	United States	574	...	...	6,602	...	...
	Germany	8	...	...	83	...	...
Silicon .075 or more	United Kingdom	...	...	...	9	...	...
	United States	...	354	...	...	4,814	...
For butt hinges	United Kingdom	...	...	...	...	18	...
	United States	81	...	...	1,626	...	...
For hoops	United Kingdom	2	...	...	28	...	...
	Sweden	...	...	...	1	...	...
Galvanized strip	United States	67	...	...	614	...	...
	United Kingdom	...	...	...	442	...	...
United States	United States	321	...	...	4,802	...	...
	United Kingdom	2	...	...	974	...	...
	Germany	...	...	...	6	...	...
	Belgium	...	...	...	12	...	...
Skelp -							
15 3/8" in width	United States	8,212	...	...	89,133	...	...
	France	...	...	...	8,252	...	...
	Belgium	...	...	...	7,971	...	...
	United Kingdom	...	...	...	5,712	...	...
	Germany	...	...	...	7	...	...
Over 15 3/8" in width	United States	1,019	...	...	9,326	...	...
	Belgium	...	...	...	108	...	...
Plate	United States	...	...	...	989	...	...
Pipes and tubes -							
Cast	United States	55	...	...	769	...	...
	United Kingdom	2,012	...	...	26,333	...	...
	France	...	...	...	5	...	...
Bedstead	United States	...	...	...	42	...	...
	United Kingdom	...	...	...	5	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	167	...	9.3	3,867	72	101.5
	United Kingdom	138	...	...	1,703	...	...
	Sweden	...	...	...	7	...	.9
	Germany	...	...	...	48	...	...
Cold drawn	United States	32	4	...	561	41	27.5
	United Kingdom	29	...	1.6	208	...	1.8
	Sweden	2	...	...	84	...	...
Welded	United States	177	...	...	2,466	...	10.7
	United Kingdom	85	...	...	1,149	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	382	649	21.9	4,039	3,546	333.4
	United Kingdom	145	2	10.0	2,397	8	199.1
	Sweden	31	...	...	121	88	7.3
	Germany	...	...	...	61	...	...
	United States	786	16	12.4	11,817	772	114.3
Hot finished	United Kingdom	529	...	...	6,902	...	.2
	Sweden	...	...	...	...	84	...
	France	...	...	...	38	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	449	...	...	4,109	30	5.6
	United Kingdom	...	...	...	4,602	...	...
Welded, 4" and under in diameter .	United States	577	...	1.1	5,354	3	96.0
	United Kingdom	905	...	...	10,338	...	.2
	Belgium	9	...	...	112	...	...
	Germany	1	...	...	21	...	...
	France	171	...	...	176	...	...
Welded, over 4" in diameter	United States	224	...	...	94,199	...	34.9
	United Kingdom	270	...	...	3,273	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	16	...	...	351	...	...
	United States	88	...	...	3,414	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, December, 1953 and Year to Date (Continued)

Table 13 - Imports of Primary Forms of Iron and Steel, December, 1953 and Year to Date (Continued)		December, 1953					
Commodity	Country of origin	December, 1953			Year to date		
		Carbon	Alloy	Stain-less	Carbon	Alloy	Stain-less
(Tons of 2,000 pounds)							
Pipes and tubes - (Concluded)							
Conduit	United States	379	...	...	3,965	...	...
	United Kingdom	...	...	...	7	...	...
	Germany	...	...	...	3	...	...
Casings	United States	4,248	...	...	71,431	...	...
	United Kingdom	2,830	...	...	16,012	...	...
	Germany	201	...	...	3,786	...	...
	Japan	...	...	...	1,258	...	...
	Italy	449	...	...	1,914	...	...
	Belgium	...	...	...	1,216	...	...
Fittings and couplings	United States	322	...	4.6	5,275	7	73.6
	United Kingdom	16	...	...	460	...	...
	Germany	...	...	...	118	...	...
	Japan	...	...	...	88	...	...
Wire rope							
	United States	16	...	...	506	...	3
	United Kingdom	80	...	...	849	...	...
	Belgium	...	...	...	23	...	...
	Germany	5	...	...	264	...	...
	Norway	...	...	...	8	...	...
	Holland	13	...	...	51	...	...
Wire for rope	United States	216	...	3	5,767	...	1.9
	United Kingdom	496	...	...	8,147	...	...
	Germany	...	...	...	5	...	...
	Norway	...	...	...	46	...	...
Wire - For corset laces, steels, etc. .	United States	5	...	...	117	...	...
	United Kingdom	...	...	...	2	...	...
For spring mattresses, etc. ...	United States	230	...	...	4,057	...	...
	United Kingdom	3	...	...	683	...	...
Wire - coated	United States	19	...	...	519	...	...
	United Kingdom	...	...	...	138	...	...
	Germany	...	...	...	31	...	...
Wire, all other	United States	151	11	7	3,536	172	27.5
	United Kingdom	4	2	...	233	2	1.7
	Germany	...	11	...	100	12	...
	Sweden	3	...	...	27	1	...
	Belgium	11	...	...	94	...	...
	France	5	...	...	60	...	...
	Netherlands	28	...	...	28	...	...
Wire rods, not over 3/8" in diameter..	United States	67	...	...	3,225	...	...
	Belgium	...	...	...	3,048	...	...
	Germany	829	...	...	2,294	...	...
	United Kingdom	...	...	...	2,108	...	...
	France	...	...	...	697	...	...
	Sweden	...	...	...	114	...	...
Welding wire and welding rods	United States	69	47	...	2,103	576	6.8
	United Kingdom	...	...	...	...	1	.2
Castings -							
For agricultural implements	United States	11	...	...	623	...	...
For ingot moulds	United States	2,604	...	...	33,555	...	...
	United Kingdom	...	...	...	272	...	...
Malleable	United States	7	...	...	168	...	...
Non-malleable	United States	21	...	...	460	...	...
Steel	United States	...	...	...	276	8	...
	United Kingdom	...	...	...	4	...	...
	France	...	...	...	46	...	...
	Norway	...	...	...	265	...	...
For railway vehicles	United States	...	...	...	39	...	...
Rolls	United States	269	129	...	4,426	978	...
	United Kingdom	72	...	...	204	70	...
Piston rings (rough)	United States	3	153
	United Kingdom	1

Primary Iron and Steel

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Table 13 - Imports of Primary Forms of Iron and Steel, December, 1953 and Year to Date (Concluded)

Commodity	Country of origin	December, 1953			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Forgings	United States	14	...	...	522	57	1.7
	United Kingdom	18	...	...	407	...	...
	Germany	...	...	...	12	...	...
Wheels - For railway rolling stock ..	United States	34	...	...	443	...	...
	United Kingdom	1,204	...	...	14,871	...	...
Tires - For railway rolling stock ...	United States	...	...	...	123	...	...
	United Kingdom	100	...	...	1,556	...	...
Axles - For railway vehicles	United States	5	...	...	762	...	...
Rails -							
60 lb. and under	United States	5	...	...	760	...	...
	Belgium	...	...	...	813	...	...
	United Kingdom	...	...	...	53	...	...
	Germany	...	...	...	60	...	...
Over 60 lb. and including 100 lb. .	United States	308	...	...	2,776	...	...
	United Kingdom	...	...	...	808	...	...
Over 100 lb.	United States	968	...	...	3,300	...	...
	United Kingdom	...	...	...	6	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	5	...	...	7,955	...	...
	Belgium	...	...	...	36	...	...
	United Kingdom	...	...	...	204	...	...
	Germany	2	...	...	4	...	...
Intersections, switches, frogs	United States	...	...	...	275	...	...
	Belgium	...	...	...	1	...	...
Total imports	United States	78,696	3,614	630.9	1,000,393	44,246	8,005.2
	All other	22,972	188	165.9	343,074	3,047	1,812.2
TOTAL		101,668	3,802	796.8	1,343,467	47,293	9,817.4

Table 14 - Exports of Primary Iron and Steel, December, 1953 and Year to Date

	December, 1953	Year to date
(Tons of 2,000 pounds)		
Pig iron	11,387	345,415
Ingots, blooms and billets	296	127,012
Bars	399	20,285
Rods	7	1,144
Plates, sheets and strips	851	86,254
Rails .....	...	3,445
Structural shapes	299	4,791
Pipe and tubing - Wrought iron	130	344
Cast iron	35	415
Galvanized .....	...	65
Other	234	1,987
Castings, iron and steel	876	8,722
Forgings	426	12,761
Total	14,940	612,640

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PRIMARY IRON AND STEEL

Pig Iron - Production of pig iron in Canada amounted to 214,999 tons in January, 1954, compared with 244,606 tons in the corresponding month of last year. The total for the current month included 183,636 tons of basic iron, 12,484 tons of malleable iron and 18,879 tons of foundry iron.

Ferro-alloys - Data on ferro-alloys available only on a quarterly basis in 1954.

Steel Ingots and Castings - Production of steel ingots and steel castings during January, 1954, totalled 298,900 tons compared with 346,648 tons in January of last year. Output in the month under review included 290,487 tons of ingots and 8,413 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During January, 1953 and 1954

	January, 1953		January, 1954	
	Tonnage made(★)	Tonnage shipped	Tonnage made(★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	189,199	2,622	183,636	2,418
Foundry	22,834	16,622	18,879	8,551
Malleable	32,573	23,103	12,484	23,419
Total pig iron	244,606	42,347	214,999	34,388
<u>Ferro-alloys</u>	15,671	15,207	Available only on a Quarterly basis in 1954	

(★) Includes amounts for sale and for own use.

Table 2 - Iron Blast Furnace Charges During January, 1953 and 1954

	January	
	1953	1954
	(Net tons of 2,000 pounds)	
Iron ore - Canadian	85,101	101,756
Imported	327,113	275,710
Mill cinder, scale, sinter, etc.	70,035	50,854
Limestone	81,246	82,040
Dolomite	28,749	23,556
Coke	230,654	194,862
Scrap iron and steel	8,263	4,359

Table 3 - Description of Iron Blast Furnaces at End of January, 1953 and 1954

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	9	2,711,500	71
Banked	1	266,000	7
Blown out	6	840,500	22
Total	16	3,818,000	100

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(b) Steel Ingots and Steel Castings

Table 4 - Production and Sales During January, 1953 and 1954

Table 4 - Production and Sales During January, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel Ingots</u>				
Open hearth - basic	299,624	6,811	262,244	...
Electric	39,591	160	28,243	...
Total steel ingots	339,215	6,971	290,487	...
Alloy steel ingots included in above	17,520	99	11,471	...
<u>Steel Castings</u>				
Open hearth - basic	1,829	1,406	2,350	2,039
Converter	59	44	...	...
Electric	5,545	4,151	6,063	4,587
Total steel castings	7,433	5,601	8,413	6,626
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	235	201	325	287
(b) High alloy, manganese and abrasion resistant	894	794	676	588
(c) All other alloys	858	202	859	147

Table 5 - Pig Iron and Scrap Charged to Steel Furnaces During January, 1953 and 1954

	January 1953	January 1954
	(Net tons of 2,000 pounds)	
Pig iron	181,006	176,554
Scrap - Own make	93,892	94,916
Purchased	107,048	47,966

Table 6 - Steel Furnace Capacity at Thirty-First of October, 1953

	Annual capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,951,300
Electric	714,400
Total ingots	4,665,700
Steel castings	313,900
Total ingots and castings	4,979,600

Table 7 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1953 and 1954

Table 7 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1953 and 1954

Month	Pig iron	Ferro-alloys	Steel		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 5 3</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
December	220,526	8,779	296,345	9,085	305,430
Total	3,012,269	150,595	4,009,813	105,656	4,115,469
<u>1 9 5 4</u>					
January	214,999	Available on a quarterly basis only	290,487	8,413	298,900

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 231,661 net tons in January, 1954, compared with 273,355 tons in January, 1953. The January, 1954 shipments included 4,928 tons of semi-finished shapes, 15,004 tons of structurals, 17,995 tons of plates, 29,172 tons of rails, 5,668 tons of tie plates and track material, 31,298 tons of hot rolled bars, 12,888 tons of pipes and tubes, 17,149 tons of wire rods, 38,961 tons of black sheets, 9,315 tons of galvanized sheets, 8,494 tons of castings, and 40,789 tons of other rolled products. The amount of producers' interchange was 106,012 tons in January, 1954, as against 140,104 tons in January, 1953.

Of the amounts shipped for sale during January, 52,803 tons went direct to railways and railway car shops; 16,021 tons went to pressing, forming and stamping plants; 24,686 tons to merchant trade products; 30,758 tons to building construction; 25,855 tons to the containers industry; 3,815 tons to agricultural equipment; 15,533 tons to the automotive industry; 14,172 tons to machinery plants; 2,359 tons to shipbuilding; 8,992 tons to mining, lumbering, etc., and 6,217 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 28,387 tons, and exports for 2,063 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 106,012 tons in January, 1954.

Table 8 - Production and Producers' Shipments of Primary Iron and Steel Shapes, January, 1954

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon steel</u>			
Billets, etc., for forging	6,474	4,498	2,357
Other semi-finished shapes, not for re-rolling by makers	17,214	93	14,392
Structural shapes and piling	12,469	15,004	...
Plates	18,093	17,820	18
Rails	34,550	29,172	...
Tie plates and track material: Splice bars	992	1,515	...

Table 9 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, January, 1954

	January, 1954	
	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)	
Automotive industries	10,702	4,831
Agricultural, including farm machinery	3,742	73
Building construction	30,694	64
Containers industry	25,852	3
Machinery and tools	13,513	659
Merchant trade products	24,486	200
Mining, lumbering, etc.	8,284	708
National defence	3,240	371
Pressing, forming and stamping	15,901	120
Public works and utilities	1,444	17
Railway operating	36,972	126
Railway cars and locomotives	15,408	297
Shipbuilding	2,334	25
Miscellaneous and unclassified	1,060	85
Wholesalers and warehouses	28,325	62
Direct export (a) to British Empire	219	36
(b) to other countries	1,440	368
Total shipped for sale	243,235	8,045
Producers' interchange	105,952	60

Table 10 - Imports of Primary Forms of Iron and Steel, January, 1954

Commodity	Country of origin	January, 1954		
		Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)		
Pig iron -				
Foundry	United States	184	...	...
	Australia	335	...	...
Silvery	United States	212	...	...
Ingots	United States	63	...	...
Billets, blooms, slabs and sheet bars ..	United States	20	4	...
	United Kingdom	...	5	...
Bars and sections -				
Hot rolled, n.o.p.	United States	1,746	615	11.1
	United Kingdom	51	24	16.0
	Belgium	356	...	...
	Austria	...	18	...
Hot rolled -				
For agricultural implements	United States	221	...	...
Rounds over 4 7/8", squares over 4".	United States	282	2	...
	United Kingdom	12	5	...
Angles, channels, etc.	United States	606	...	3.9
	United Kingdom	25	...	...
	Belgium	54	...	...
	Germany	9	...	...
Structurals (bar sizes) for				
agricultural implements	United States	27	...	...
Sash or casement sections	United States	166	...	...
	United Kingdom	11	...	...
	Belgium	55	...	...
Cold finished, n.o.p.	United States	586	27	14.5
	United Kingdom	17	...	...
	Belgium	43	...	...
Cold finished, for agricultural				
implements	United States	74	...	...
Tool steel	United States	5	32	...
	United Kingdom	8	66	...

Table 10 - Imports of Primary Forms of Iron and Steel, January, 1954 (Continued)

Commodity	Country of origin	January, 1954		
		Carbon	Alloy	Stainless
(Tons of 2,000 pounds)				
Bars and sections - (Concluded)				
Structurals	United States	28,278	...	...
	United Kingdom	252	...	...
	Belgium	824	...	...
	France	2,897	...	...
Plates -				
78" and under in width	United States	3,741	11	32.2
	United Kingdom	876	...	5.7
	Japan	283	...	...
Over 78" and under 100" in width ..	United States	3,582	...	2.1
	United Kingdom	1,600	...	...
100" in width and over	United States	308	...	3.8
Flanged, dished or curved	United States	50	...	...
Boiler, pulp-mill digesters	United States	414	...	...
Chequered or surface pattern	United States	582	...	...
Sheets -				
Silicon .075 or more	United States	...	1,380	...
Galvanized	United States	2,306	...	...
	United Kingdom	260	...	...
Hot rolled -				
18 gauge and heavier	United States	7,080	20	.4
	United Kingdom	569	...	24.1
Lighter than 18 gauge	United States	...	3	1.9
Cold rolled -				
18 gauge and heavier	United States	897	...	81.4
	United Kingdom	39	...	94.8
Lighter than 18 gauge	United States	1,970	...	1.0
	United Kingdom	70	...	26.8
	Sweden	...	...	5.3
For saws	United States	...	100	...
	United Kingdom	...	5	...
For tubes	United States	77	...	...
Corrugated	United States	218	...	...
	United Kingdom	4	...	...
For motor vehicles	United States	3,561	...	...
For hollow ware (vitreous enamel) .	United States	1,177	...	...
	United Kingdom	102	...	...
Coated with paint, tar, asphaltum, etc.	United States	130	...	...
Tin plate - Primes	United Kingdom	22	...	...
Terne plate - Long	United States	342	...	...
	Short	United States	165	...
Strip -				
Hot rolled -				
18 gauge and heavier	United States	372	11	...
	United Kingdom	6	...	...
Cold rolled -				
18 gauge and heavier	United States	308	4	11.2
	United Kingdom	13	...	...
Lighter than 18 gauge	United States	168	8	172.2
	United Kingdom	4	...	...
	Sweden	...	1	...
For saws	United States	...	26	...
	Sweden	...	13	...
For tubes	United States	8	...	...
For motor vehicles	United States	2,490	...	...
For hoops	United States	31	...	...
	United Kingdom	61	...	...

Table 10 - Imports of Primary Forms of Iron and Steel, January, 1954 (Concluded)

Table 10 - Imports of Primary Forms of Iron and Steel, January, 1954 (Concluded)				
Commodity	Country of origin	January, 1954		
		Carbon	Alloy	Stainless
(Tons of 2,000 pounds)				
Strip - (Concluded)				
Coated with paint, tar, asphaltum .	United States	404	...	...
For butt hinges	United States	98	...	...
Silicon .075 or more	United States	...	357	...
Galvanized	United States	308	...	...
	United Kingdom	81	...	...
	Belgium	1	...	...
Skelp -				
15 3/8" and under in width	United States	6,504	...	...
Over 15 3/8" in width	United States	442	...	...
Pipes and tubes -				
Cast	United States	350	...	...
	United Kingdom	143	...	...
	Germany	37	...	...
Repair of pressure parts of boilers -				
Hot finished	United States	117	13	49.3
	United Kingdom	129	...	...
	Switzerland	20	...	...
Cold drawn	United States	12	...	...
	United Kingdom	24	...	...
Welded	United States	380	...	...
	United Kingdom	67	...	...
Seamless, 12" and under in diameter-				
Cold drawn	United States	331	403	10.2
	United Kingdom	64	...	15.9
	Sweden	1	...	...
Hot finished	United States	532	...	5.8
	United Kingdom	130	...	...
Seamless, over 12" in diameter -				
Hot finished	United States	518	12	...
	United Kingdom	4,083	...	...
Welded, 4" and under in diameter ..	United States	535	...	.1
	United Kingdom	50	...	...
	France	19	...	...
	Germany	69	...	...
Welded, over 4" in diameter	United States	156	...	.5
Tubing -				
Not over 1/2" diameter	United States	37	...	...
Spiral welded	United States	137	...	...
Conduit	United States	446	...	...
Casings	United States	2,889	...	...
	United Kingdom	917	...	...
	Germany	206	...	...
	Italy	572	...	...
Wire rope				
	United States	27	...	...
	United Kingdom	120	...	...
	Germany	8	...	...
Wire for rope	United States	275	...	...
	United Kingdom	563	...	...
Wire - For spring mattresses	United States	153	...	...
For corset clasps etc.	United States	28	...	...
Wire - Coated or covered	United States	4	...	...
Wire - All other	United States	193	5	.9
	United Kingdom	63	...	...
Wire rods, not over 3/8" in diameter.	United States	109	...	...
	United Kingdom	543	...	...
Welding rods and welding wire	United States	10	139	...

Table 10 - Imports of Primary Forms of Iron and Steel, January, 1954 (Concluded)

Imports of Tires, Rails of Iron and Steel, January, 1954 (Concluded)				
Commodity	Country of origin	January, 1954		
		Carbon	Alloy	Stainless
(Tons of 2,000 pounds)				
Tires - For railway rolling stock ...	United States	5	...	...
Wheels - For railway rolling stock ..	United Kingdom	695	...	...
Rails -				
60 lb. and under	United States	68	...	...
	Belgium	54	...	...
Over 60 lb. and including 100 lb. .	United States	22	...	...
Over 100 lb.	United States	922	...	...
Track material -				
Angle bars, rail joints, tie plates	United States	157	...	...
	Belgium	2	...	...
Total imports	United States	78,616	3,172	402.5
	All other	17,519	137	188.6
TOTAL		96,135	3,309	591.1

Table 11 - Exports of Primary Iron and Steel, January, 1954

	January 1954
(Tons of 2,000 pounds)	
Pig iron	154
Ingots, blooms and billets	224
Bars	265
Rods .....	...
Plates, sheets and strips	1,678
Rails .....	...
Structural shapes	179
Pipe and tubing - Wrought iron .....	...
Cast iron .....	...
Galvanized
Other	15
Castings, iron and steel	1,087
Forgings	398
<hr/>	
Total	4,000

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PRIMARY IRON AND STEEL

Pig Iron - Production of pig iron in Canada amounted to 182,050 tons in February, 1954, compared with 225,182 tons in the corresponding month of last year. The total for the current month included 146,980 tons of basic iron, 31,978 tons of malleable iron and 3,092 tons of foundry iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during February, 1954, totalled 266,911 tons compared with 326,063 tons in February of last year. Output in the month under review included 258,765 tons of ingots and 8,146 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During February, 1953 and 1954

	February, 1953		February, 1954	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	182,054	3,615	146,980	2,159
Foundry	19,185	7,556	3,092	8,919
Malleable	23,943	24,533	31,978	9,368
Total pig iron	225,182	35,704	182,050	20,446
<u>Ferro-alloys</u>	16,017	14,327	Available on a Quarterly basis only, in 1954	

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Two Months Ended February, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	371,253	6,237	330,616	4,577
Foundry	42,019	24,178	21,971	17,470
Malleable	56,516	47,636	44,462	15,987
Total pig iron	469,788	78,051	397,049	38,034
<u>Ferro-alloys</u>	31,688	29,534	Available on a Quarterly basis only, in 1954	

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During February and Two Months Ended February, 1953 and 1954

	February		Two months ended February	
	1 9 5 3	1 9 5 4	1 9 5 3	1 9 5 4
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	103,236	75,502	188,364	177,258
Imported	278,769	238,442	605,882	514,152
Mill cinder, scale, sinter, etc.	50,730	45,934	120,765	96,788
Limestone	74,410	69,415	155,656	151,455
Dolomite	24,067	19,635	52,816	43,191
Coke	211,459	166,406	442,113	361,268
Scrap iron and steel	7,710	5,089	15,973	9,448

Prepared in the Metal and Chemical Products Section - Industry and Merchandising Division.

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Table 4 - Description of Iron Blast Furnaces at End of February, 1954

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	10	2,919,500	76.4
Banked	1	226,000	6.0
Blown out	5	672,500	17.6
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During February, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	278,139	7,296	229,025	...
Electric	38,602	95	29,740	...
Total steel ingots	316,741	7,391	258,765	...
Alloy steel ingots included in above	16,683	14	15,867	...
<u>Steel Castings</u>				
Open hearth - basic	2,985	2,613	2,060	1,802
Converter	44	28	...	...
Electric	6,293	4,739	6,086	4,721
Total steel castings	9,322	7,380	8,146	6,523
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	293	270	301	269
(b) High alloy, manganese and abrasion resistant	1,203	979	659	676
(c) All other alloys	883	217	836	212

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Two Months Ended February, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	577,763	14,107	491,269	...
Electric	78,193	255	57,983	...
Total steel ingots	655,956	14,362	549,252	...
Alloy steel ingots included in above	34,203	113	27,338	...
<u>Steel Castings</u>				
Open hearth - basic	4,814	4,019	4,410	3,841
Converter	103	72	...	...
Electric	11,838	8,890	12,149	9,308
Total steel castings	16,755	12,981	16,559	13,149
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	175	118	626	556
(b) High alloy, manganese and abrasion resistant	2,166	1,842	1,335	1,264
(c) All other alloys	1,741	419	1,695	359

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces, February, 1953 and 1954 and Two Months Ended February, 1954

	February 1953	February 1954	Two months ended February, 1954
(Net tons of 2,000 pounds)			
Pig iron	178,200	145,754	322,308
Scrap - Own make	80,734	88,007	182,923
Purchased	99,210	51,058	99,024

Table 8 - Steel Furnace Capacity at Thirty-First of October, 1953

	Annual capacity
(Net tons of 2,000 pounds)	
Ingots - Basic open hearth	3,951,300
Electric	714,400
Total ingots	4,665,700
Steel castings	313,900
Total ingots and castings ..	4,979,600

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1953 and 1954

Month	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots(★)	Castings	
(Net tons of 2,000 pounds)					
<u>1953</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	359,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
December	220,526	8,779	296,345	9,085	305,430
Total	3,012,269	150,595	4,009,813	105,656	4,115,469
<u>1954</u>					
January	214,999	Available only on a Quarterly basis in 1954	290,487	8,413	298,900
February	182,050		258,765	8,146	266,911

(★) Revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 213,115 net tons in February, 1954, compared with 226,236 tons in February, 1953. The February, 1954, shipments included 3,372 tons of semi-finished shapes, 12,293 tons of structurals, 17,620 tons of plates, 23,931 tons of rails, 6,346 tons of tie plates and track material, 34,958 tons of hot rolled bars, 11,941 tons of pipes and tubes, 16,968 tons of wire rods, 34,103 tons of black sheets, 7,531 tons of galvanized sheets, 7,983 tons of castings, and 36,069 tons of other rolled products. The amount of producers' interchange was 94,755 tons in February, 1954, as against 105,971 tons in February, 1953.

Of the amounts shipped for sale during February, 51,457 tons went direct to railways and railway car shops; 12,753 tons went to pressing, forming and stamping plants; 22,994 tons to merchant trade products; 25,843 tons to building construction; 19,615 tons to the containers industry; 4,828 tons to agricultural equipment; 17,937 tons to the automotive industry; 13,157 tons to machinery plants; 1,786 tons to shipbuilding; 7,378 tons to mining, lumbering, etc., and 3,748 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 29,170 tons, and exports for 2,449 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 94,755 tons in February, 1954.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, February, 1954

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon steel</u>			
Billets, etc., for forging	4,905	2,791	2,236
Other semi-finished shapes, not for re-rolling by makers	13,728	108	10,635
Structural shapes and piling	13,100	12,293	...
Plates	17,956	17,546	...
Rails	23,974	23,931	...
Tie plates and track material: Splice bars	1,018	993	...
Tie plates	4,120	4,044	...
Spikes	1,197	1,309	...
Concrete reinforcing bars	9,253	7,258	...
Hot rolled bars for cold finishing	404	...	404
Other hot rolled bars	37,768	28,541	7,821
Pipes and tubes	12,014	11,941	...
Wire rods	17,002	16,834	18
Hot rolled black sheets	58,835	20,484	42,960
Cold reduced black sheets	17,648	13,619	4,499
Galvanized sheets	7,639	7,531	...
Steel Castings	6,159	6,189	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	50,131	28,111	25,744
Total carbon steel	296,851	203,523	94,317
<u>Alloy steel</u>			
Billets, etc., for forging	413	473	...
Other semi-finished shapes, not for re-rolling by makers	396	...	396
Plates	11	74	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,334	6,417	42
Wire rods	133	134	...
Steel castings	1,870	1,794	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.) ...	697	700	...
Total alloy steel	9,854	9,592	438

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Two Months Ended February, 1954

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon steel</u>			
Billets, etc., for forging	11,379	7,289	4,593
Other semi-finished shapes, not for re-rolling by makers	30,942	201	25,027
Structural shapes and piling	25,569	27,297	...
Plates	36,049	35,366	18
Rails	58,524	53,103	...
Tie plates and track material: Splice bars	2,010	2,508	...
Tie plates	7,411	7,147	...
Spikes	1,922	2,359	...
Concrete reinforcing bars	17,792	15,875	...
Hot rolled bars for cold finishing	972	...	968
Other hot rolled bars	75,335	55,030	14,585
Pipes and tubes	24,083	24,853	8
Wire rods	35,356	33,959	45
Hot rolled black sheets	139,458	40,174	97,607
Cold reduced black sheets	44,250	32,890	10,236
Galvanized sheets	16,130	16,846	...
Steel castings	12,577	12,892	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	106,279	59,350	47,182
Total carbon steel	646,038	427,139	200,269
<u>Alloy steel</u>			
Billets, etc., for forging	1,087	810	...
Other semi-finished shapes, not for re-rolling by makers	432	...	432
Plates	246	249	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	12,024	11,202	66
Wire rods	136	158	...
Steel castings	3,730	3,585	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.) ...	1,688	1,633	...
Total alloy steel	19,343	17,637	498

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, February, 1954 and Year to Date

	February, 1954		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	11,636	6,301	22,338	11,132
Agricultural, including farm machinery	4,726	102	8,468	175
Building construction	25,798	45	56,492	109
Containers industry	19,524	91	45,376	94
Machinery and tools	12,589	568	26,102	1,227
Merchant trade products	22,715	279	47,201	479
Mining, lumbering, etc.	6,571	807	14,855	1,515
National defence	1,861	321	5,101	692
Pressing, forming and stamping	12,673	80	28,574	200
Public works and utilities	486	34	1,930	51
Railway operating	33,638	69	70,610	195
Railway cars and locomotives	17,514	236	32,922	533
Shipbuilding	1,717	69	4,051	94
Miscellaneous and unclassified	908	138	1,968	223
Wholesalers and warehouses	29,087	83	57,412	145
Direct export (a) to British Empire	124	66	343	102
(b) to other countries	1,956	303	3,396	671
Total shipped for sale	203,523	9,592	427,139	17,637
Producers' interchange	94,317	438	200,269	498

Table 13 - Imports of Primary Forms of Iron and Steel, February, 1954 and Year to Date

Commodity	Country of origin	February, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	59	...	...	59	...	...
Malleable	United States	228	...	...	228	...	...
Silvery	United States	232	...	...	444	...	...
Foundry	United States	357	...	...	541	...	...
	Australia	...	...	...	335	...	...
Ingots	United States	222	52	...	285	52	...
Billets, blooms, slabs and sheet bars .	United States	136	3	...	156	7	...
	United Kingdom	...	10	...	...	15	...
Bars and sections -							
Hot rolled, n.o.p.	United States	2,469	277	8.9	4,215	892	20.0
	United Kingdom	16	13	12.5	67	37	28.5
	Belgium	324	...	...	680	...	...
	Austria	...	...	...	...	18	...
	France	13	...	...	13	...	...
Hot rolled -							
For agricultural implements	United States	288	...	...	509	...	...
Rounds over 4 7/8", squares over 4"	United States	135	7	...	417	9	...
	United Kingdom	...	...	...	12	5	...
Angles, channels, etc.	United States	740	...	1.1	1,346	...	5.0
	United Kingdom	30	...	...	55	...	...
	Belgium	138	...	...	192	...	...
	Germany	3	...	...	12	...	...
	France	7	...	...	7	...	...
Structurals (bar sizes) for							
agricultural implements	United States	16	...	...	43	...	...
Sash or casement sections	United States	239	...	...	405	...	...
	United Kingdom	27	...	...	38	...	...
	Belgium	...	...	...	55	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, February, 1954 and Year to Date (Continued)

Commodity	Country of origin	February, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (Concluded)							
Cold finished, n.o.p.	United States	395	42	13.8	981	69	28.3
	United Kingdom	163	5	2.6	180	5	2.6
	Belgium	48	...	...	91	...	...
	Sweden	...	71	...	...	71	...
Cold finished, for agricultural implements	United States	91	...	...	165	...	...
Tool steel	United States	4	55	...	9	87	...
	United Kingdom	36	109	...	44	175	...
Structurals	United States	27,411	...	...	55,689	...	...
	United Kingdom	490	...	...	742	...	...
	Belgium	1,911	...	...	2,735	...	...
	France	10	...	...	2,907	...	...
	Germany	176	...	...	176	...	...
Plates -							
78" and under in width	United States	3,384	71	36.9	7,125	82	69.1
	United Kingdom	1,976	...	13.9	2,852	...	19.6
	Japan	798	...	...	1,081	...	...
	Belgium	11	...	...	11	...	...
Over 78" and under 100" in width ...	United States	3,051	...	5.5	6,633	...	7.6
	United Kingdom	2,897	...	...	4,497	...	...
100" in width and over	United States	526	...	40.6	834	...	44.4
	United Kingdom	266	...	...	266	...	...
Flanged, dished or curved	United States	34	...	...	84	...	...
Boiler, pulp-mill digesters	United States	382	...	...	796	...	...
Chequered or surface pattern	United States	610	...	...	1,192	...	...
Sheets -							
Silicon .075 or more	United States	...	1,005	...	...	2,385	...
Galvanized	United States	2,044	...	...	4,350	...	...
	United Kingdom	91	...	...	351	...	...
Hot rolled -							
18 gauge and heavier	United States	4,951	16	4.6	12,031	36	5.0
	United Kingdom	49	...	21.8	618	...	45.9
	Sweden	...	...	11.8	...	...	11.8
Lighter than 18 gauge	United States	...	...	1.4	...	3	3.3
	United Kingdom	...	...	1.2	...	...	1.2
Cold rolled -							
18 gauge and heavier	United States	1,119	...	86.9	2,016	...	168.3
	United Kingdom	84	...	64.6	123	...	159.4
Lighter than 18 gauge	United States	1,859	...	104.1	3,829	...	105.1
	United Kingdom	215	...	32.8	285	...	59.6
	Sweden	...	...	...	...	...	5.3
Corrugated	United States	418	...	...	636	...	...
	United Kingdom	...	...	...	4	...	...
Coated with paint, tar, asphaltum, etc.	United States	89	...	...	219	...	...
For saws	United States	...	93	...	...	193	...
	United Kingdom	...	...	...	...	5	...
For hollow ware (vitreous enamel) ..	United States	837	...	...	2,014	...	...
	United Kingdom	62	...	...	164	...	...
For motor vehicles	United States	1,975	...	...	5,536	...	...
For heating apparatus	United States	19	...	...	19	...	...
For tubes	United States	...	...	...	77	...	...
Tin plate - Primes	United Kingdom	4	...	...	26	...	...
Terne plate - Long	United States	442	...	...	784	...	...
Short	United States	176	...	...	341	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, February, 1954 and Year to Date (Continued)

Table 13 - Imports of Primary Forms of Iron and Steel, February, 1954 and Year to Date (Continued)		February, 1954		Year to date			
Commodity	Country of origin	Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)							
Strip -							
Hot rolled -							
18 gauge and heavier	United States	526	1	...	898	12	...
	United Kingdom	30	...	...	36	...	...
Lighter than 18 gauge	United States	80	...	...	80	...	...
Cold rolled -							
18 gauge and heavier	United States	102	41	26.6	410	45	37.8
	United Kingdom	4	...	...	17	...	...
Lighter than 18 gauge	United States	297	7	162.7	465	15	334.9
	United Kingdom	42	...	...	46	...	...
	Sweden	...	4	...	...	5	...
For cold rolling	United States	11	...	...	11	...	...
For saws	United States	...	50	...	...	76	...
	United Kingdom	...	2	...	...	2	...
	Sweden	...	4	...	...	17	...
For tubes	United States	50	...	...	58	...	...
For motor vehicles	United States	1,270	...	...	3,760	...	...
For hoops	United States	51	...	...	82	...	...
	United Kingdom	...	...	...	61	...	...
Coated with paint, tar, asphaltum, etc.	United States	403	...	...	807	...	...
	Germany	2	...	...	2	...	...
Silicon .075 or more	United States	...	535	...	...	892	...
For butt hinges	United States	110	...	...	208	...	...
Galvanized	United States	306	...	...	614	...	...
	United Kingdom	59	...	...	140	...	...
	Belgium	5	...	...	6	...	...
Skelp -							
15 3/8" and under in width	United States	5,617	...	...	12,121	...	...
Over 15 3/8" in width	United States	401	...	...	843	...	...
Pipes and tubes -							
Cast							
	United States	67	...	...	417	...	...
	United Kingdom	1,560	...	...	1,703	...	...
	Germany	...	...	...	37	...	...
Repair of pressure parts of boilers -							
Hot finished							
	United States	566	...	51.3	683	13	100.6
	United Kingdom	107	...	...	236	...	...
	Switzerland	...	...	...	20	...	...
Cold drawn							
	United States	30	...	...	42	...	...
	United Kingdom	7	...	...	31	...	...
	Sweden	2	...	...	2	...	...
Welded							
	United States	328	4	...	708	4	...
	United Kingdom	...	...	...	67	...	...
Seamless, 12" and under in diameter -							
Cold drawn							
	United States	228	380	5.6	559	783	15.8
	United Kingdom	182	2	12.3	246	2	28.2
	Sweden	...	24	...	1	24	...
Hot finished							
	United States	807	31	.1	1,339	31	5.9
	United Kingdom	1,262	...	...	1,392	...	...
Seamless, over 12" in diameter -							
Hot finished							
	United States	179	2	...	697	14	...
	United Kingdom	...	...	...	4,083	...	...
Welded, 4" and under in diameter ..							
	United States	558	...	2.6	1,093	...	2.7
	United Kingdom	475	...	...	525	...	...
	France	40	...	...	59	...	...
	Germany	18	...	...	87	...	...
	Holland	7	...	...	7	...	...
Welded, over 4" in diameter							
	United States	268	...	8.5	424	...	9.0
	United Kingdom	56	...	...	56	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, February, 1954 and Year to Date (Continued)

Commodity	Country of origin	February, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes - (Concluded)							
Tubing -							
Not over 1/2" diameter, welded and coated	United States	28	...	...	65	...	...
Spiral welded	United States	146	...	...	283	...	...
Conduit	United States	361	...	...	807	...	...
Casings	United States	4,199	...	...	7,088	...	...
	United Kingdom	3,271	...	...	4,188	...	...
	Germany	197	...	...	403	...	...
	Italy	...	...	...	572	...	...
Wire rope	United States	24	...	...	51	...	...
	United Kingdom	33	...	...	153	...	...
	Germany	2	...	...	10	...	...
	Belgium	2	...	...	2	...	...
	Holland	3	...	...	3	...	...
Wire for rope	United States	72	...	...	347	...	...
	United Kingdom	586	...	...	1,149	...	...
Wire - For springs, cushions, mattresses, etc.	United States	296	...	...	449	...	...
Wire - For corset clasps, dress stays, etc.	United States	...	...	...	28	...	...
Wire - coated or covered	United States	2	...	...	6	...	...
	United Kingdom	41	...	...	41	...	...
	Belgium	1	...	...	1	...	...
Wire - All other	United States	136	4	.7	329	9	1.6
	United Kingdom	15	...	...	78	...	...
	Belgium	11	...	...	11	...	...
	Germany	2	...	...	2	...	...
	Sweden	...	...	.6	...	...	.6
Wire rods, not over 3/8" in diameter.	United States	120	...	...	229	...	...
	United Kingdom	281	...	...	824	...	...
Welding wire and welding rods	United States	3	84	...	13	223	...
Tires - For railway rolling stock ...	United States	...	...	...	5	...	...
Wheels - For railway rolling stock ..	United Kingdom	672	...	...	1,367	...	...
Rails -							
60 lb. and under	United States	25	...	...	93	...	...
	Belgium	53	...	...	107	...	...
Over 60 lb. and including 100 lb. .	United States	...	...	...	22	...	...
Over 100 lb.	United States	28	...	...	950	...	...
Track material -							
Fish plates, angle bars, etc.	United States	10	...	...	167	...	...
	United Kingdom	381	...	...	381	...	...
	Belgium	1	...	...	3	...	...
Switch points, etc.	United States	3	...	...	3	...	...
Total imports	United States	72,646	2,760	561.9	151,262	5,932	964.4
	All other	19,255	244	174.1	36,774	381	362.7
TOTAL		91,901	3,004	736.0	188,036	6,313	1,327.1

Table 14 - Exports of Primary Iron and Steel, February, 1954 and Year to Date

	February, 1954	Year to date
	(Tons of 2,000 pounds)	
Pig iron .....	...	154
Ingots, blooms and billets	116	340
Bars	507	772
Rods .....	...	...
Plates, etc.	2,552	4,230
Rails .....	...	...
Structural shapes	11	190
Pipe and tubing - Wrought iron	36	36
Cast iron	21	21
Galvanized .....	...	...
Other	9	24
Castings, iron and steel	1,498	2,585
Forgings	300	698
Total	5,050	9,050

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PRIMARY IRON AND STEEL

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PRIMARY IRON AND STEEL

Pig Iron - Production of pig iron in Canada amounted to 200,763 tons in March, 1954, compared with 238,572 tons in the corresponding month of last year. The total for the current month included 145,345 tons of basic iron, 28,713 tons of malleable iron and 26,705 tons of foundry iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during March, 1954, totalled 249,290 tons compared with 366,974 tons in March of last year. Output in the month under review included 240,515 tons of ingots and 8,775 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During March, 1953 and 1954

	1953		1954	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	195,243	5,445	145,345	1,424
Foundry	23,217	13,145	26,705	12,053
Malleable	20,112	23,025	28,713	6,529
Total pig iron	238,572	41,615	200,763	20,006
<u>Ferro-alloys</u>	17,680	14,357	Available quarterly only	

(★) Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Three Months Ended March, 1953 and 1954

	1953		1954	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	566,496	11,682	475,961	6,001
Foundry	65,236	37,323	48,676	29,523
Malleable	76,628	70,661	73,175	22,516
Total pig iron	708,360	119,666	597,812	58,040
<u>Ferro-alloys</u>	49,368	43,891	23,214	21,318

(★) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During March and Three Months Ended March, 1953 and 1954

	March		Three months ended March	
	1953	1954	1953	1954
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	109,268	75,407	297,632	252,665
Imported	301,935	276,111	907,817	790,263
Mill cinder, scale, sinter, etc. ...	55,579	45,769	176,344	142,557
Limestone	85,274	72,692	240,930	224,147
Dolomite	23,026	21,317	75,842	64,508
Coke	226,085	182,301	668,198	543,569
Scrap iron and steel	7,160	5,841	23,133	15,289

Table 4 - Description of Iron Blast Furnaces at End of March, 1954

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	9	2,745,000	71.9
Banked	1	266,000	6.9
Blown out	6	807,000	21.2
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During March, 1953 and 1954

	1953		1954	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	310,662	20,184	208,216	307
Electric	46,228	86	32,299	...
Total steel ingots	356,890	20,270	240,515	307
Alloy steel ingots included in above	24,573	44	9,590	...
<u>Steel Castings</u>				
Open hearth - basic	2,811	2,444	2,318	2,006
Converter	48	28	9	...
Electric	7,225	5,375	6,448	5,127
Total steel castings	10,084	7,847	8,775	7,133
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	254	230	368	334
(b) High alloy, manganese and abrasion resistant	1,242	1,017	934	870
(c) All other alloys	897	178	918	237

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Three Months Ended March, 1953 and 1954

	1953		1954	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel Ingots</u>				
Open hearth - basic	888,425	34,291	699,485	307
Electric	124,421	341	90,282	...
Total steel ingots	1,012,846	44,082	789,767	307
Alloy steel ingots included in above	58,776	157	36,928	...
<u>Steel Castings</u>				
Open hearth - basic	7,625	6,463	6,728	5,847
Converter	151	100	9	...
Electric	19,063	14,265	18,597	14,435
Total steel castings	26,839	20,828	25,334	20,282
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	283	202	994	890
(b) High alloy, manganese and abrasion resistant	3,408	2,859	2,269	2,134
(c) All other alloys	2,638	597	2,613	596

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces, March, 1953 and 1954, and Three Months Ended March, 1954

	March 1953	March 1954	Three months ended March, 1954
(Net tons of 2,000 pounds)			
Pig iron	195,817	133,608	455,916
Scrap - Own make	99,038	81,954	264,877
Purchased	109,912	49,545	148,569

Table 8 - Steel Furnace Capacity at Thirty-First of October, 1953

	Annual capacity
(Net tons of 2,000 pounds)	
Ingots - Basic open hearth	3,951,300
Electric	714,400
Total ingots	4,665,700
Steel castings	313,900
Total ingots and castings.	4,979,600

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1953 and 1954

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots(★)	Castings	
			(Net tons of 2,000 pounds)		
1953					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
Total three months .	708,360	49,368	1,012,846	26,839	1,039,685
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
December	220,526	8,779	296,345	9,085	305,430
Total	3,012,269	150,595	4,009,813	105,656	4,115,469
1954					
January	214,999	(x)	290,487	8,413	298,900
February	182,050	(x)	258,765	8,146	266,911
March	200,763	(x)	240,515	8,775	249,290
Total three months .	597,812	23,214	789,767	25,334	815,101

(†) Revised.

(x) Available only on a quarterly basis in 1954.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 229,400 net tons in March, 1954, compared with 312,899 tons in March, 1953. The March, 1954, shipments included 3,080 tons of semi-finished shapes, 14,898 tons of structurals, 16,556 tons of plates, 27,567 tons of rails, 11,428 tons of tie plates and track material, 36,249 tons of hot rolled bars, 13,994 tons of pipes and tubes, 22,450 tons of wire rods, 27,196 tons of black sheets, 8,111 tons of galvanized sheets, 8,856 tons of castings, and 39,015 tons of other rolled products. The amount of producers' interchange was 101,338 tons in March, 1954, as against 115,808 tons in March, 1953.

Of the amounts shipped for sale during March, 58,607 tons went direct to railways and railway car shops; 12,093 tons went to pressing, forming and stamping plants; 30,867 tons to merchant trade products; 26,552 tons to building construction; 21,441 tons to the containers industry; 6,352 tons to agricultural equipment; 14,811 tons to the automotive industry; 12,516 tons to machinery plants; 1,559 tons to shipbuilding; 9,431 tons to mining, lumbering, etc., and 6,211 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 26,604 tons, and exports for 2,356 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 101,338 tons in March, 1954.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, March, 1954

	<u>P r o d u c t i o n</u> (Including producers' interchange)	<u>S h i p m e n t s</u> For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	4,111	2,161	2,940
Other semi-finished shapes, not for re-rolling by makers	12,229	183	10,526
Structural shapes and piling	13,939	14,898	...
Plates	16,613	16,556	...
Rails	24,756	27,567	...
Tie plates and track material: Splice bars ..	1,645	1,587	...
Tie plates ..	8,685	8,408	...
Spikes	1,399	1,433	...
Concrete reinforcing bars	12,196	9,848	...
Hot rolled bars for cold finishing	801	...	803
Other hot rolled bars	40,860	30,987	10,281
Pipes and tubes	8,481	13,994	...
Wire rods	23,287	22,363	127
Hot rolled black sheets	56,544	13,841	48,215
Cold reduced black sheets	17,876	13,355	5,726
Galvanized sheets	9,204	8,111	...
Steel castings	6,373	6,841	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	57,338	28,310	22,717
Total carbon steel	316,337	220,443	101,335
<u>Alloy Steel</u>			
Billets, etc., for forging	440	736	...
Other semi-finished shapes, not for re-rolling by makers	3	...	3
Plates	26	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	4,464	5,262	...
Wire rods	90	87	...
Steel castings	2,207	2,015	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	796	857	...
Total alloy steel	8,026	8,957	3

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Three Months Ended March, 1954

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	15,490	9,450	7,533
Other semi-finished shapes, not for re-rolling by makers	43,171	384	35,553
Structural shapes and piling	39,508	42,195	...
Plates	52,662	51,922	18
Rails	83,280	80,670	...
Tie plates and track material: Splice bars	3,655	4,095	...
Tie plates	16,096	15,555	...
Spikes	3,321	3,792	...
Concrete reinforcing bars	29,988	25,723	...
Hot rolled bars for cold finishing	1,773	...	1,771
Other hot rolled bars	116,195	86,017	24,866
Pipes and tubes	32,564	38,847	8
Wire rods	58,643	56,322	172
Hot rolled black sheets	196,002	54,015	145,822
Cold reduced black sheets	62,126	46,245	15,962
Galvanized sheets	25,334	24,957	...
Steel castings	18,950	19,733	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	163,617	87,660	69,899
Total carbon steel	962,375	647,582	301,604
<u>Alloy Steel</u>			
Billets, etc., for forging	1,527	1,546	...
Other semi-finished shapes, not for re-rolling by makers	435	...	435
Plates	272	249	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	16,488	16,464	66
Wire rods	226	245	...
Steel castings	5,937	5,600	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	2,484	2,490	...
Total alloy steel	27,369	26,594	501

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, March, 1954 and Year to Date

	March, 1954		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	9,524	5,287	31,862	16,419
Agricultural, including farm machinery	6,278	74	14,746	249
Building construction	26,514	38	83,006	147
Containers industry	21,437	4	66,813	98
Machinery and tools	11,668	848	37,770	2,075
Merchant trade products	30,618	249	77,819	728
Mining, lumbering, etc.	8,419	1,012	23,274	2,527
National defence	3,440	411	8,541	1,103
Pressing, forming and stamping	11,943	150	40,517	350
Public works and utilities	951	44	2,881	95
Railway operating	42,163	106	112,773	301
Railway cars and locomotives	16,141	197	49,063	730
Shipbuilding	1,510	49	5,561	143
Miscellaneous and unclassified	1,236	129	3,204	352
Wholesalers and warehouses	26,544	60	83,956	205
Direct export (a) to British Empire ..	357	24	700	126
(b) to other countries ..	1,700	275	5,096	946
Total shipped for sale	220,443	8,957	647,582	26,594
Producers' interchange	101,335	3	301,604	501

Table 13 - Imports of Primary Forms of Iron and Steel, March, 1954 and Year to Date

Commodity	Country of origin	March, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
<u>Pig iron -</u>							
Basic	United States	...	...	...	59	...	...
Malleable	United States	...	...	...	228	...	...
Silvery	United States	410	...	...	854	...	...
Foundry	United States	73	...	...	614	...	...
	Australia	...	...	...	335	...	...
Ingots	United States	24	214	...	309	266	...
Billets, blooms, slabs and sheet bars	United States	...	101	...	156	108	...
	United Kingdom	...	6	...	...	21	...
Tube rounds and tube billets	United States	56	...	...	56	...	...
<u>Bars and sections -</u>							
Hot rolled, n.o.p.	United States	1,896	312	18.9	6,111	1,204	38.9
	United Kingdom	26	24	14.6	93	61	43.1
	Belgium	799	...	...	1,479	...	...
	Austria	...	...	...	...	18	...
	France	...	...	...	13	...	...
<u>Hot rolled -</u>							
For agricultural implements	United States	127	...	...	636	...	...
Rounds over 4-7/8", squares over 4"	United States	91	1	...	508	10	...
	United Kingdom	13	...	...	25	5	...
Angles, channels, etc.	United States	504	...	3.6	1,850	...	8.6
	United Kingdom	1	...	...	56	...	...
	Belgium	489	...	...	681	...	...
	Germany	12	...	...	24	...	...
	France	...	...	...	7	...	...
Structurals (bar sizes) for agricultural implements	United States	...	...	...	43	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, March, 1954 and Year to Date (Continued)

Commodity	Country of origin	March, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections (concluded) -							
Hot rolled (concluded) -							
Sash or casement sections	United States	409	...	...	814	...	...
	United Kingdom	...	...	...	38	...	...
	Belgium	16	...	...	71	...	...
Cold finished, n.o.p.	United States	460	39	7.4	1,441	108	35.7
	United Kingdom	53	...	20.4	233	5	23.0
	Belgium	...	...	...	91	...	...
	Sweden	...	...	...	...	71	...
	France	400	...	...	400	...	...
Cold finished, for agricultural implements.	United States	86	...	...	251	...	...
Tool steel	United States	6	48	...	15	135	...
	United Kingdom	15	37	...	59	212	...
Structurals	United States	30,211	...	...	85,900	...	...
	United Kingdom	182	...	...	924	...	...
	Belgium	1,025	...	...	3,760	...	...
	France	...	...	...	2,907	...	...
	Germany	...	...	...	176	...	...
Plates -							
78" and under in width	United States	2,320	4	52.7	9,445	86	121.8
	United Kingdom	779	...	11.4	3,631	...	31.0
	Japan	129	...	...	1,210	...	...
	Belgium	11	...	...	22	...	...
Over 78" and under 100" in width	United States	3,579	...	20.3	10,212	...	27.9
	United Kingdom	918	...	...	5,415	...	...
100" in width and over	United States	330	...	...	1,164	...	44.4
	United Kingdom	32	...	...	298	...	...
Flanged, dished or curved	United States	57	...	...	141	...	...
Boiler, pulp-mill digesters	United States	153	...	...	949	...	...
Chequered or surface pattern	United States	863	...	...	2,055	...	...
Sheets -							
Silicon .075 or more	United States	...	1,298	...	...	3,683	...
Galvanized	United States	1,424	...	...	5,774	...	...
	United Kingdom	6	...	...	357	...	...
Hot rolled -							
18 gauge and heavier	United States	4,145	4	10.9	16,176	40	15.9
	United Kingdom	31	...	11.8	649	...	57.7
	Sweden	...	...	...	...	...	11.8
Lighter than 18 gauge	United States	...	1	...	...	4	3.3
	United Kingdom	...	...	...	...	...	1.2
Cold rolled -							
18 gauge and heavier	United States	828	...	87.1	2,844	...	255.4
	United Kingdom	81	...	74.2	204	...	233.6
Lighter than 18 gauge	United States	1,106	...	126.6	4,935	...	231.7
	United Kingdom	331	...	7.3	616	...	66.9
	Sweden	...	...	...	...	...	5.3
Corrugated	United States	401	...	...	1,037	...	...
	United Kingdom	9	...	...	13	...	...
Coated with paint, tar, asphaltum, etc. ..	United States	52	...	...	271	...	...
For saws	United States	...	12	...	...	205	...
	United Kingdom	...	1	...	...	6	...
For hollow ware (vitreous enamel)	United States	705	...	...	2,719	...	...
	United Kingdom	135	...	...	299	...	...
For motor vehicles	United States	1,731	...	...	7,267	...	...
For heating apparatus	United States	56	...	...	75	...	...
For tubes	United States	...	...	...	77	...	...
Tin plate - Primes	United Kingdom	...	...	...	26	...	...
Electrolytic - 25# coating ...	United States	73	...	...	73	...	...
Terne plate - Long	United States	376	...	...	1,160	...	...
Short	United States	444	...	...	785	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, March, 1954 and Year to Date (Continued)

Table 13 - Imports of Primary Forms of Iron and Steel, March, 1954 and Year to Date (Continued)							
Commodity	Country of origin	March, 1954			Year to date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)							
Strip -							
Hot rolled -							
18 gauge and heavier	United States	719	30	...	1,617	42	...
	United Kingdom	...	...	...	36	...	...
Lighter than 18 gauge	United States	131	...	...	211	...	...
Cold rolled -							
18 gauge and heavier	United States	116	10	14.0	526	55	51.8
	United Kingdom	11	...	...	28	...	...
Lighter than 18 gauge	United States	174	44	182.1	639	59	517.0
	United Kingdom	1	...	...	47	...	...
	Sweden	...	7	...	...	12	...
For cold rolling	United States	32	...	...	43	...	...
For saws	United States	...	13	...	...	89	...
	United Kingdom	...	1	...	...	3	...
	Sweden	...	13	...	...	30	...
For tubes	United States	142	...	...	200	...	...
For tubular products	United States	17	...	...	17	...	...
For motor vehicles	United States	1,510	...	...	5,270	...	...
For hoops	United States	166	...	...	248	...	...
	United Kingdom	...	...	...	61	...	...
For shoe and corset laces, etc. .	United States	5	...	...	5	...	...
Coated with paint, tar, asphaltum, etc.	United States	709	...	...	1,516	...	...
	Germany	1	...	...	3	...	...
Silicon .075 or more	United States	...	486	...	...	1,378	...
For butt hinges	United States	23	...	...	231	...	...
Galvanized	United States	366	...	...	980	...	...
	United Kingdom	3	...	...	143	...	...
	Belgium	...	...	...	6	...	...
Skelp -							
15-3/8" and under in width	United States	4,124	...	...	16,245	...	...
Over 15-3/8" in width	United States	700	...	...	1,543	...	...
Pipes and tubes -							
Cast	United States	55	...	...	472	...	...
	United Kingdom	628	...	...	2,331	...	...
	Germany	...	...	...	37	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	182	...	30.6	865	13	131.2
	United Kingdom	202	...	...	438	...	...
	Switzerland	23	...	...	43	...	...
Cold drawn	United States	6	1	...	48	1	...
	United Kingdom	34	...	...	65	...	...
	Sweden	9	...	...	11	...	...
Welded	United States	243	...	.1	951	4	.1
	United Kingdom	66	...	...	133	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	411	632	9.8	970	1,415	25.6
	United Kingdom	93	1	17.3	339	3	45.5
	Sweden	3	...	2.2	4	24	2.2
Hot finished	United States	697	7	5.2	2,036	38	11.1
	United Kingdom	61	...	...	1,453	...	...
	Germany	82	...	...	82	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	209	...	...	906	14	...
	United Kingdom	...	...	...	4,083	...	...
Welded, 4" and under in diameter	United States	781	...	4.1	1,874	...	6.8
	United Kingdom	132	...	...	657	...	...
	France	...	...	...	59	...	...
	Germany	31	...	...	118	...	...
	Holland	...	...	...	7	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, March, 1954, and Year to Date (Concluded)

Commodity	Country of origin	March, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes (concluded) -							
Seamless, over 12" in diameter (concluded) -							
Welded 4" and under in diameter	Belgium	18	...	...	18	...	...
Welded, over 4" in diameter	United States	349	...	.7	773	...	9.7
	United Kingdom	49	...	...	105	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	32	...	...	97	...	...
Spiral welded	United States	1,009	...	...	1,292	...	...
Conduit	United States	416	...	...	1,223	...	...
Casings	United States	3,682	...	...	10,770	...	...
	United Kingdom	65	...	...	4,253	...	...
	Germany	83	...	...	486	...	...
	Italy	...	...	...	572	...	...
Wire rope							
	United States	29	...	...	80	...	...
	United Kingdom	80	...	...	233	...	...
	Germany	2	...	...	12	...	...
	Belgium	2	...	...	4	...	...
	Holland	44	...	...	47	...	...
Wire for rope	United States	150	...	.6	497	...	.6
	United Kingdom	304	...	...	1,453	...	...
Wire - For springs, cushions, mattresses, etc.							
	United States	154	...	...	603	...	...
For corset clasps, dress stays, etc.	United States	1	...	...	29	...	...
Wire - Coated or covered							
	United States	14	...	...	20	...	...
	United Kingdom	28	...	...	69	...	...
	Belgium	...	...	...	1	...	...
	Germany	2	...	...	2	...	...
Wire - All other							
	United States	59	38	.9	388	47	2.5
	United Kingdom	46	...	.2	124	...	.2
	Belgium	22	...	...	33	...	...
	Germany	...	...	...	2	...	...
	Sweden	...	1	...	...	1	.6
Wire rods, not over 3/8" in diameter							
	United States	87	...	...	316	...	...
	United Kingdom	14	...	...	838	...	...
Welding wire and welding rods							
	United States	123	62	...	136	285	...
Tires - For railway rolling stock							
	United States	1	...	...	6	...	...
Wheels - For railway rolling stock							
	United States	7	...	...	7	...	...
	United Kingdom	628	...	...	1,995	...	...
Rails -							
60 lb. and under	United States	...	...	...	93	...	...
	Belgium	80	...	...	187	...	...
Over 60 lb. and including 100 lb.	United States	1,081	...	...	1,103	...	...
Over 100 lb.	United States	...	...	...	950	...	...
	Belgium	26	...	...	26	...	...
Track material -							
Fish plates, angle bars, etc.	United States	672	...	...	839	...	...
	United Kingdom	225	...	...	606	...	...
	Belgium	2	...	...	5	...	...
Switch points, etc.	United States	59	...	...	62	...	...
Total imports							
	United States	72,439	3,357	575.6	223,701	9,289	1,540.0
	All other	8,593	91	159.4	45,367	472	522.1
TOTAL *							
		81,032	3,448	735.0	269,068	9,761	2,062.1

* These totals are not strictly comparable with those of previous years since the categories, "Castings" and "Forgings" have been dropped from this year's totals.

Table 14 - Exports of Primary Iron and Steel, March, 1954 and Year to Date

	March, 1954	Year to date
	(Tons of 2,000 pounds)	
Pig iron	40	194
Ingots, blooms and billets	185	525
Bars	345	1,117
Rods .....	...	...
Plates, etc.	2,348	6,578
Rails	1,141	1,141
Structural shapes	80	270
Pipe and tubing - Wrought iron	79	115
Cast iron	14	35
Galvanized .....	...	...
Other	95	119
Castings, iron and steel	1,677	4,262
Forgings	364	1,062
Total	6,368	15,418

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BAROMETRICS FILE 11

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CANADA

PRIMARY IRON AND STEEL

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PRIMARY IRON AND STEEL

Pig Iron - Production of pig iron in Canada amounted to 194,307 tons in April, 1954, compared with 241,583 tons in the corresponding month of last year. The total for the current month included 136,381 tons of basic iron, 32,759 tons of malleable iron and 25,167 tons of foundry iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during April, 1954, totalled 255,796 tons compared with 362,291 tons in April of last year. Output in the month under review included 247,872 tons of ingots and 7,924 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production and Shipments During April, 1953 and 1954

	1953		1954	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	214,041	8,911	136,381	1,320
Foundry	4,465	13,755	25,167	13,731
Malleable	23,077	29,863	32,759	28,356
Total pig iron	241,583	52,529	194,307	43,407
<u>Ferro-alloys</u>	15,980	14,790	(x)	(x)

(★) Includes amounts for sale and for own use.

(x) Available on a quarterly basis only in 1954.

Table 2 - Cumulative Production and Shipments for the Four Months Ended April, 1953 and 1954

	1953		1954	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	780,537	20,593	612,342	7,321
Foundry	69,701	51,078	73,843	43,254
Malleable	99,705	100,524	105,934	50,872
Total pig iron	949,943	172,195	792,119	101,447
<u>Ferro-alloys</u>	65,348	58,681	(x)	(x)

(★) Includes amounts for sale and for own use.

(x) Available on a quarterly basis only in 1954.

Table 3 - Iron Blast Furnace Charges During April and Four Months Ended April, 1953 and 1954

	April		Four months ended April	
	1953	1954	1953	1954
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	119,651	75,071	417,283	327,736
Imported	294,646	251,849	1,202,463	1,042,112
Mill cinder, scale, sinter, etc.	56,884	52,338	233,228	194,895
Limestone	84,728	71,998	325,658	296,145
Dolomite	20,662	20,973	96,504	85,481
Coke	222,273	172,615	890,471	716,184
Scrap iron and steel	10,234	6,890	33,367	22,179

Primary Iron and Steel

Table 4 - Description of Iron Blast Furnaces at End of April, 1954

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	9	2,745,000	71.9
Banked	1	266,000	6.9
Blown out	6	807,000	21.2
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Shipments During April, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	309,199	10,028	216,619	66
Electric	42,708	70	31,253	32
Total steel ingots	351,907	10,098	247,872	98
Alloy steel ingots included in above	21,252	15	6,592	66
<u>Steel castings</u>				
Open hearth - basic	2,938	2,614	2,404	2,023
Converter	41	53	3	-
Electric	7,405	5,568	5,517	4,066
Total steel castings	10,384	8,235	7,924	6,089
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	303	272	408	397
(b) High alloy, manganese and abrasion resistant	1,389	1,065	940	913
(c) All other alloys	942	198	810	36

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Shipments for the Four Months Ended April, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	1,197,624	44,319	916,104	373
Electric	167,129	411	121,535	32
Total steel ingots	1,364,753	44,730	1,037,639	405
Alloy steel ingots included in above	80,028	172	43,520	66
<u>Steel castings</u>				
Open hearth - basic	10,563	9,077	9,132	7,870
Converter	192	153	12	-
Electric	26,468	19,833	24,114	18,501
Total steel castings	37,223	29,063	33,258	26,371
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	387	275	1,402	1,287
(b) High alloy, manganese and abrasion resistant	4,797	3,924	3,209	3,047
(c) All other alloys	3,580	795	3,423	632

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Primary Iron and Steel

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces, April, 1953 and 1954, and Four Months Ended April, 1954

	April 1953	April 1954	Four months ended April, 1954
	(Net tons of 2,000 pounds)		
Pig iron	200,078	142,198	598,114
Scrap - Own make	104,944	80,433	345,310
Purchased	96,460	48,738	197,307

Table 8 - Steel Furnace Capacity at Thirty-First of October, 1953

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,951,300
Electric	714,400
Total ingots	4,665,700
Steel castings	313,900
Total ingots and castings .	4,979,600

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1953 and 1954

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots (★)	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 5 3</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
December	220,526	8,779	296,345	9,085	305,430
Total	3,012,269	150,595	4,009,813	105,656	4,115,469
<u>1 9 5 4</u>					
January	214,999		290,487	8,413	298,900
February	182,050		258,765	8,146	266,911
March	200,763	23,214 (x)	240,515	8,775	249,290
April	194,307		247,872	7,924	255,796

(★) Revised.

(x) First Quarter.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 215,836 net tons in April, 1954, compared with 293,734 tons in April, 1953. The April, 1954, shipments included 3,645 tons of semi-finished shapes, 11,878 tons of structurals, 17,113 tons of plates, 23,069 tons of rails, 9,483 tons of tie plates and track material, 28,693 tons of hot rolled bars, 14,479 tons of pipes and tubes, 21,723 tons of wire rods, 21,978 tons of black sheets, 10,103 tons of galvanized sheets, 7,279 tons of castings, and 46,393 tons of other rolled products. The amount of producers' interchange was 92,606 tons in April, 1954, as against 116,064 tons in April, 1953.

Of the amounts shipped for sale during April, 48,171 tons went direct to railways and railway car shops; 11,265 tons went to pressing, forming and stamping plants; 29,956 tons to merchant trade products; 25,498 tons to building construction; 28,750 tons to the containers industry; 8,137 tons to agricultural equipment; 10,644 tons to the automotive industry; 12,334 tons to machinery plants; 1,884 tons to shipbuilding; 6,120 tons to mining, lumbering, etc., and 5,758 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 26,013 tons, and exports for 1,306 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 92,606 tons in April, 1954.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, April, 1954

	<u>P r o d u c t i o n</u> (Including producers' interchange)	<u>S h i p m e n t s</u> For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon steel</u>			
Billets, etc., for forging	8,077	3,152	3,742
Other semi-finished shapes, not for re-rolling by makers	6,606	109	7,099
Structural shapes and piling	11,140	11,878	-
Plates	16,571	17,057	-
Rails	25,967	23,069	-
Tie plates and track material: Splice bars	2,284	2,374	-
Tie plates	5,240	5,655	-
Spikes	1,501	1,454	-
Concrete reinforcing bars	13,869	12,473	-
Hot rolled bars for cold finishing	949	-	949
Other hot rolled bars	34,420	24,682	7,676
Pipes and tubes	11,663	14,479	3
Wire rods	20,796	21,648	24
Hot rolled black sheets	54,462	9,655	45,224
Cold reduced black sheets	17,541	12,323	6,533
Galvanized sheets	9,488	10,103	-
Steel castings	5,564	5,298	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	50,165	33,243	21,090
Total carbon steel	296,303	208,652	92,340
<u>Alloy steel</u>			
Billets, etc., for forging	373	384	-
Other semi-finished shapes, not for re-rolling by makers	250	-	250
Plates	4	56	-
Hot rolled bars for cold finishing	-	-	-
Other hot rolled bars	4,263	4,011	16
Wire rods	70	75	-
Steel castings	2,092	1,981	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	744	677	-
Total alloy steel	7,796	7,184	266

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Four Months Ended April, 1954

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon steel</u>			
Billets, etc., for forging	23,567	12,602	11,275
Other semi-finished shapes, not for re-rolling by makers	49,777	493	42,652
Structural shapes and piling	50,648	54,073	-
Plates	69,233	68,979	18
Rails	109,247	103,739	-
Tie plates and track material: Splice bars	5,939	6,469	-
Tie plates	21,336	21,210	-
Spikes	4,822	5,246	-
Concrete reinforcing bars	43,857	38,196	-
Hot rolled bars for cold finishing	2,722	-	2,720
Other hot rolled bars	150,615	110,699	32,542
Pipes and tubes	44,227	53,326	11
Wire rods	79,439	77,970	196
Hot rolled black sheets	250,464	63,670	191,046
Cold reduced black sheets	79,667	58,568	22,495
Galvanized sheets	34,822	35,060	-
Steel castings	24,514	25,031	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	213,782	120,903	90,989
Total carbon steel	1,258,678	856,234	393,944
<u>Alloy steel</u>			
Billets, etc., for forging	1,900	1,930	-
Other semi-finished shapes, not for re-rolling by makers	685	-	685
Plates	276	305	-
Hot rolled bars for cold finishing	-	-	-
Other hot rolled bars	20,751	20,475	82
Wire rods	296	320	-
Steel castings	8,029	7,581	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	3,228	3,167	-
Total alloy steel	35,165	33,778	767

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material etc.

	Principal Consuming Industries, April, 1954, and Year to Date			
	April, 1954		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	6,911	3,733	38,773	20,152
Agricultural, including farm machinery	7,865	272	22,611	521
Building construction	25,473	25	108,479	172
Containers industry	28,706	44	95,519	142
Machinery and tools	11,621	713	49,391	2,788
Merchant trade products	29,749	207	107,568	935
Mining, lumbering, etc.	5,215	905	28,489	3,432
National defence	2,719	365	11,260	1,468
Pressing, forming and stamping	11,204	61	51,721	411
Public works and utilities	1,288	36	4,169	131
Railway operating	35,517	107	148,290	408
Railway cars and locomotives	12,299	248	61,362	978
Shipbuilding	1,838	46	7,399	189
Miscellaneous and unclassified	1,260	90	4,464	442
Wholesalers and warehouses	25,920	93	109,876	298
Direct export (a) to British Empire ..	194	26	894	152
(b) to other countries .	873	213	5,969	1,159
Total shipped for sale	208,652	7,184	856,234	33,778
Producers' interchange	92,340	266	393,944	767

Commodity	Country of origin	April, 1954			Year to date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	56	...	...	115	...	...
Malleable	United States	...	...	...	228	...	...
Silvery	United States	347	...	...	1,201	...	...
Foundry	United States	...	...	...	614	...	...
	Australia	...	...	...	335	...	...
Ingots	United States	43	62	...	352	328	...
Billets, blooms, slabs and sheet bars.	United States	68	52	40.9	224	160	40.9
	United Kingdom	...	3	...	...	24	...
Tube rounds and tube billets	United States	145	...	...	201	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	1,881	67	16.6	7,992	1,271	55.5
	United Kingdom	40	32	.3	133	93	43.4
	Belgium	1,244	...	...	2,723	...	...
	Austria	...	19	...	...	37	...
	France	379	...	...	392	...	...
	Germany	147	...	...	147	...	...
Hot rolled -							
For agricultural implements	United States	93	19	...	729	19	...
Rounds over 4-7/8", squares over 4"	United States	140	5	...	648	15	...
	United Kingdom	31	...	.5	56	5	.5
Angles, channels, etc.	United States	399	...	5.4	2,249	...	14.0
	United Kingdom	7	...	...	63	...	...
	Belgium	193	...	...	874	...	...
	Germany	6	...	...	30	...	...
	France	...	...	...	7	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, April, 1954, and Year to Date (Continued)

Commodity	Country of origin	April, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Bars and sections (concluded) -							
Hot rolled (concluded) -							
Structurals (bar sizes) for agricultural implements	United States	5	...	...	48	...	...
Sash or casement sections	United States	154	...	...	968	...	...
	United Kingdom	...	...	...	38	...	...
	Belgium	...	...	...	71	...	...
Cold finished, n.o.p.	United States	433	16	23.6	1,874	124	59.3
	United Kingdom	96	...	10.0	329	5	33.0
	Belgium	7	...	...	98	...	...
	Sweden	...	21	...	...	92	...
	France	60	...	...	460	...	...
Cold finished, for agricultural implements	United States	174	...	...	425	...	...
Tool steel	United States	1	38	...	16	173	...
	United Kingdom	27	47	...	86	259	...
Structurals	United States	21,099	...	...	106,999	...	...
	United Kingdom	24	...	...	948	...	...
	Belgium	1,498	...	...	5,258	...	...
	France	87	...	...	2,994	...	...
	Germany	...	...	...	176	...	...
Plates -							
78" and under in width	United States	3,215	65	41.0	12,660	151	162.8
	United Kingdom	1,895	...	10.5	5,526	...	41.5
	Japan	21	...	...	1,231	...	...
	Belgium	52	...	...	74	...	...
Over 78" and under 100" in width ..	United States	4,280	...	...	14,492	...	27.9
	United Kingdom	1,043	...	...	6,458	...	...
100" in width and over	United States	408	...	...	1,572	...	44.4
	United Kingdom	...	...	...	298	...	...
Flanged, dished or curved	United States	78	...	...	219	...	...
Boiler, pulp-mill digesters	United States	332	...	...	1,281	...	...
Chequered or surface pattern	United States	903	...	...	2,958	...	...
	United Kingdom	47	...	...	47	...	...
Sheets -							
Silicon .075 or more	United States	...	1,445	...	...	5,128	...
Galvanized	United States	1,272	...	...	7,046	...	...
	United Kingdom	85	...	...	442	...	...
Hot rolled -							
18 gauge and heavier	United States	4,143	15	.1	20,319	55	16.0
	United Kingdom	131	...	.8	780	...	58.5
	Sweden	...	...	26.0	...	...	37.8
Lighter than 18 gauge	United States	...	7	1.5	...	11	4.8
	United Kingdom	...	...	...	...	...	1.2
Cold rolled -							
18 gauge and heavier	United States	855	...	113.7	3,699	...	369.1
	United Kingdom	45	...	71.4	249	...	305.0
Lighter than 18 gauge	United States	887	...	140.2	5,822	...	371.9
	United Kingdom	385	...	5.0	1,001	...	71.9
	Sweden	...	...	4.9	...	...	10.2
Corrugated	United States	486	...	...	1,523	...	...
	United Kingdom	...	...	...	13	...	...
Coated with paint, tar, asphaltum, etc.	United States	77	...	...	348	...	...
For saws	United States	...	15	...	...	220	...
	United Kingdom	...	3	...	...	9	...

Table 13 - Imports of Primary Forms of Iron and Steel, April, 1954, and Year to Date (Continued)

Table 13 - Imports of Primary Forms of Iron and Steel, April, 1954, and Year to Date (Continued)							
Commodity	Country of origin	April, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets (concluded) -							
For hollow ware (vitreous enamel) ..	United States	992	...	...	3,711	...	...
	United Kingdom	132	...	...	431	...	...
Tin mill black plate	United States	6	...	...	6	...	...
For motor vehicles	United States	1,361	...	...	8,628	...	...
For heating apparatus	United States	...	...	...	75	...	...
For tubes	United States	38	...	...	115	...	...
Tin plate - Primes	United Kingdom	3	...	...	29	...	...
Electrolytic 25# coating	United States	...	...	...	73	...	...
Terne plate - Long	United States	359	...	...	1,529	...	...
Short	United States	98	...	...	883	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	347	4	...	1,964	46	...
	United Kingdom	8	...	...	44	...	...
	France	22	...	...	22	...	...
	Belgium	11	...	...	11	...	...
Lighter than 18 gauge	United States	12	...	...	223	...	...
Cold rolled -							
18 gauge and heavier	United States	81	33	7.6	607	88	59.4
	United Kingdom	7	...	4.0	35	...	4.0
Lighter than 18 gauge	United States	115	26	88.2	754	85	605.2
	United Kingdom	24	...	24.6	71	...	24.6
	Sweden	...	14	...	...	26	...
For cold rolling	United States	51	...	...	94	...	...
For saws	United States	...	10	...	...	99	...
	United Kingdom	...	...	...	...	3	...
	Sweden	...	5	...	...	35	...
For tubes	United States	...	...	...	200	...	...
For tubular products	United States	40	...	...	57	...	...
For motor vehicles	United States	772	...	...	6,042	...	...
For hoops	United States	52	...	...	300	...	...
For shoe and corset laces, etc. ...	United States	...	...	...	5	...	...
	United Kingdom	27	...	...	88	...	...
Coated with paint, tar, asphaltum, etc.							
	United States	461	...	...	1,977	...	...
	United Kingdom	2	...	...	2	...	...
	Germany	...	...	...	3	...	...
Silicon .075 or more	United States	...	423	...	...	1,801	...
For butt hinges	United States	54	...	...	285	...	...
Galvanized	United States	322	...	...	1,302	...	...
	United Kingdom	66	...	...	209	...	...
	Belgium	...	...	...	6	...	...
Skelp -							
15-3/8" and under in width	United States	1,703	...	...	17,948	...	...
Over 15-3/8" in width	United States	695	...	...	2,238	...	...
Pipes and tubes -							
Cast							
	United States	19	...	...	491	...	...
	United Kingdom	4,249	...	...	6,580	...	...
	Germany	...	...	...	37	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	169	16	3.8	1,034	29	135.0
	United Kingdom	268	...	...	706	...	...
	Switzerland	...	...	...	43	...	...
Cold drawn	United States	15	...	2.5	63	1	2.5
	United Kingdom	6	...	...	71	...	...
	Sweden	...	...	...	11	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, April, 1954, and Year to Date (Continued)

Commodity	Country of origin	April, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes (concluded) -							
Repair of pressure parts of boilers (concluded) -							
Welded	United States	32	...	.6	983	4	.7
	United Kingdom	31	...	...	164	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	372	186	26.8	1,342	1,601	52.4
	United Kingdom	60	7	20.7	399	10	66.2
	Sweden	...	52	1.0	4	76	3.2
Hot finished	United States	720	1	.4	2,756	39	11.5
	United Kingdom	193	2	...	1,646	2	...
	Germany	...	...	...	82	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	225	...	...	1,131	14	...
	United Kingdom	...	...	...	4,083	...	...
Welded, 4" and under in diameter .	United States	915	...	27.9	2,789	...	34.7
	United Kingdom	870	...	...	1,527	...	...
	France	17	...	...	76	...	...
	Germany	22	...	...	140	...	...
	Holland	...	...	...	7	...	...
	Germany	24	...	...	42	...	...
Welded, over 4" in diameter	United States	17,467	...	2.9	18,240	...	12.6
	United Kingdom	53	...	...	158	...	...
Tubing -							
For bedstead	France	2	...	...	2	...	...
Not over 1/2" in diameter, welded and coated	United States	28	...	...	125	...	...
Spiral welded	United States	852	...	...	2,144	...	...
Conduit	United States	405	...	...	1,628	...	...
Casings	United States	4,134	...	...	14,904	...	...
	United Kingdom	641	...	...	4,894	...	...
	Germany	937	...	...	1,423	...	...
	Italy	500	...	...	1,072	...	...
Wire rope	United States	79	...	1.0	159	...	1.0
	United Kingdom	244	...	...	477	...	...
	Germany	102	...	...	114	...	...
	Belgium	31	...	...	35	...	...
	Holland	28	...	...	75	...	...
Wire - For rope	United States	179	...	.5	676	...	1.1
	United Kingdom	1,843	...	...	3,296	...	...
	Norway	40	...	...	40	...	...
For springs, cushions, mattresses, etc.	United States	238	...	...	841	...	...
For corset clasps, dress stays, etc.	United States	...	...	...	29	...	...
Wire - Coated or covered	United States	9	...	...	29	...	...
	United Kingdom	31	...	...	100	...	...
	Belgium	18	...	...	19	...	...
	Germany	1	...	...	3	...	...
All other	United States	151	51	8	539	98	3.3
	United Kingdom	32	...	...	156	...	.2
	Belgium	39	...	...	72	...	...
	Germany	6	...	...	8	...	...
	Sweden	...	...	...	...	1	.6
Wire rods, not over 3/8" in diameter .	United States	99	...	...	415	...	...
	United Kingdom	826	...	...	1,664	...	...
	Germany	385	...	...	385	...	...
	Belgium	276	...	...	276	...	...
Welding wire and welding rods	United States	141	62	...	277	347	...
	Sweden	...	2	...	...	2	...

Table 13 - Imports of Primary Forms of Iron and Steel, April, 1954, and Year to Date (Concluded)

Commodity	Country of origin	April, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Tires - For railway rolling stock ..	United States	2	...	...	8	...	...
	United Kingdom	605	...	...	605	...	...
Wheels - For railway rolling stock .	United States	12	...	...	19	...	...
	United Kingdom	1,383	...	...	3,378	...	...
Rails -							
60 lb. and under	United States	76	...	...	169	...	...
	Belgium	59	...	...	246	...	...
	Germany	5	...	...	5	...	...
Over 60 lb. and including 100 lb..	United States	2	...	...	1,105	...	...
	United Kingdom	3,201	...	...	3,201	...	...
Over 100 lb.	United States	105	...	...	1,055	...	...
	Belgium	...	...	...	26	...	...
Track material -							
Fish plates, angle bars, etc. ...	United States	294	...	...	1,133	...	...
	United Kingdom	739	...	...	1,345	...	...
	Belgium	...	...	...	5	...	...
Switch points, etc.	United States	72	...	...	134	...	...
Total imports	United States	76,355	2,618	546.0	300,056	11,907	2,086.0
	All other	25,619	207	179.7	70,986	679	701.8
TOTAL*		101,974	2,825	725.7	371,042	12,586	2,787.8

* These totals are not strictly comparable with those of previous years since the categories, "Castings" and "Forgings" have been dropped from this year's totals.

Table 14 - Exports of Primary Iron and Steel, April, 1954, and Year to Date

	April, 1954	Year to date
	(Tons of 2,000 pounds)	
Pig iron	5,400	5,594
Ingots, blooms and billets	332	857
Bars	333	1,450
Rods	9	9
Plates, etc.	1,047	7,675
Rails .....	...	1,141
Structural shapes	10	280
Pipe and tubing - Wrought iron .....	...	115
Cast iron	20	55
Galvanized	5	5
Other	22	141
Castings, iron and steel	1,508	5,770
Forgings	199	1,261
Total	8,885	24,353

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CANADA

PRIMARY IRON AND STEEL

MAY - 1954

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Pig Iron - Production of pig iron in Canada amounted to 178,742 tons in May, 1954, compared with 271,461 tons in the corresponding month of last year. The total for the current month included 136,645 tons of basic iron, 16,101 tons of malleable iron and 25,996 tons of foundry iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during May, 1954, totalled 260,351 tons compared with 368,967 tons in May of last year. Output in the month under review included 252,988 tons of ingots and 7,363 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production and Shipments During May, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	227,622	8,797	136,645	637
Foundry	6,489	12,443	16,101	12,791
Malleable	37,950	38,897	25,996	35,675
Total pig iron	271,461	60,137	178,742	49,103
<u>Ferro-alloys</u>	13,148	12,806	(x)	(x)

(★) Includes amounts for sale and for own use.

(x) Available on a quarterly basis only in 1954 - see Table 9.

Table 2 - Cumulative Production and Shipments for the Five Months Ended May, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	1,007,559	29,390	748,987	7,958
Foundry	76,190	63,521	89,944	56,045
Malleable	137,655	139,421	131,930	86,547
Total pig iron	1,221,404	232,332	970,861	150,550
<u>Ferro-alloys</u>	78,496	71,487	(x)	(x)

(★) Includes amounts for sale and for own use.

(x) Available on a quarterly basis only in 1954 - see Table 9.

Table 3 - Iron Blast Furnace Charges During May and Five Months Ended May, 1953 and 1954

	M a y		Five months ended May	
	1 9 5 3	1 9 5 4	1 9 5 3	1 9 5 4
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	117,524	68,286	534,807	396,022
Imported	353,258	228,179	1,555,721	1,270,291
Mill cinder, scale, sinter, etc.	56,364	50,786	289,592	245,681
Limestone	96,213	64,309	421,871	360,454
Dolomite	24,342	20,376	120,846	105,857
Coke	251,032	158,415	1,141,503	874,599
Scrap iron and steel	13,566	8,305	46,933	30,484

Table 4 - Description of Iron Blast Furnaces at End of May, 1954

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	7	2,443,500	64.0
Banked	2	399,000	10.4
Blown out	7	975,500	25.6
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Shipments During May, 1953 and 1954

	1953		1954	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel ingots</u>				
Open hearth - basic	315,455	640	219,328	117
Electric	43,441	62	33,660	19
Total steel ingots	358,896	702	252,988	136
Alloy steel ingots included in above	12,475	14	12,688	...
<u>Steel castings</u>				
Open hearth - basic	2,952	2,434	2,431	2,098
Converter	25	...	11	...
Electric	7,094	5,696	4,921	3,864
Total steel castings	10,071	8,130	7,363	5,962
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	360	300	339	309
(b) High alloy, manganese and abrasion resistant	1,153	1,262	765	802
(c) All other alloys	1,036	241	790	180

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Shipments for the Five Months Ended May, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (★)	Tonnage shipped	Tonnage made (★)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Steel ingots</u>				
Open hearth - basic	1,513,079	44,959	1,135,432	490
Electric	210,570	473	155,195	51
Total steel ingots	1,723,649	45,432	1,290,627	541
Alloy steel ingots included in above ..	92,503	186	56,208	66
<u>Steel castings</u>				
Open hearth - basic	13,515	11,511	11,563	9,968
Converter	217	153	23	...
Electric	33,562	25,529	29,035	22,365
Total steel castings	47,294	37,193	40,621	32,333
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	1,445	368	1,741	1,596
(b) High alloy, manganese and abrasion resistant	5,881	5,186	3,974	3,849
(c) All other alloys	4,616	1,036	4,213	812

(★) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces, May, 1953 and 1954, and Five Months Ended May, 1954

	May 1953	May 1954	Five months ended May, 1954
	(Net tons of 2,000 pounds)		
Pig iron	215,711	138,425	736,539
Scrap - Own make	102,247	83,329	428,639
Purchased	89,375	51,982	249,289

Table 8 - Steel Furnace Capacity at Thirty-First of October, 1953

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,951,300
Electric	714,400
Total ingots	4,665,700
Steel castings	313,900
Total ingots and castings	4,979,600

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1953 and 1954

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots (★)	Castings	Total steel
(Net tons of 2,000 pounds)					
<u>1953</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,390	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
December	220,526	8,779	296,345	9,085	305,430
Total	3,012,269	150,595	4,009,813	105,656	4,115,469
<u>1954</u>					
January	214,999	23,214 (x)	290,487	8,413	298,900
February	182,050		258,765	8,146	266,911
March	200,763		240,515	8,775	249,290
April	194,307		247,872	7,924	255,796
May	178,742		252,988	7,363	260,351

(★) Revised.

(x) First quarter.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 217,051 net tons in May, 1954, compared with 287,200 tons in May, 1953. The May, 1954, shipments included 3,731 tons of semi-finished shapes, 9,200 tons of structurals, 14,015 tons of plates, 26,537 tons of rails, 9,128 tons of tie plates and track material, 27,195 tons of hot rolled bars, 14,366 tons of pipes and tubes, 24,252 tons of wire rods, 20,944 tons of black sheets, 9,485 tons of galvanized sheets, 7,005 tons of castings, and 51,193 tons of other rolled products. The amount of producers' interchange was 109,792 tons in May, 1954, as against 130,948 tons in May, 1953.

Of the amounts shipped for sale during May, 45,935 tons went direct to railways and railway car shops; 11,323 tons went to pressing, forming and stamping plants; 29,611 tons to merchant trade products; 25,944 tons to building construction; 33,676 tons to the containers industry; 6,615 tons to agricultural equipment; 8,523 tons to the automotive industry; 12,820 tons to machinery plants; 669 tons to shipbuilding; 8,999 tons to mining, lumbering, etc., and 6,333 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 24,790 tons, and exports for 1,813 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 109,792 tons in May, 1954.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, May, 1954

	P r o d u c t i o n		S h i p m e n t s	
	(Including producers' interchange)	For sale	Producers' interchange	
(Tons of 2,000 pounds)				
<u>Carbon steel</u>				
Billets, etc., for forging	6,616	2,955	3,711	
Other semi-finished shapes, not for re-rolling by makers	6,528	171	10,648	
Structural shapes and piling	9,306	9,200	...	
Plates	14,192	14,010	...	
Rails	20,815	26,537	...	
Tie plates and track material: Splice bars	1,814	2,044	...	
Tie plates	6,094	5,869	...	
Spikes	1,188	1,215	...	
Concrete reinforcing bars	13,418	12,286	...	
Hot rolled bars for cold finishing	732	...	729	
Other hot rolled bars	30,973	23,554	7,960	
Pipes and tubes	13,825	14,366	...	
Wire rods	23,616	24,081	105	
Hot rolled black sheets	58,283	9,191	49,930	
Cold reduced black sheets	19,466	11,753	6,505	
Galvanized sheets	9,392	9,485	...	
Steel castings	5,375	5,217	...	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	57,986	38,084	29,907	
Total carbon steel	299,619	210,018	109,495	
<u>Alloy steel</u>				
Billets, etc., for forging	677	605	...	
Other semi-finished shapes, not for re-rolling by makers	280	...	280	
Plates	28	5	...	
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	4,139	3,641	14	
Wire rods	180	171	3	
Steel castings	1,344	1,788	...	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	920	823	...	
Total alloy steel	7,568	7,033	297	

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Five Months Ended May, 1954

	P r o d u c t i o n		S h i p m e n t s	
	(Including producers' interchange)		For sale	Producers' interchange
(Tons of 2,000 pounds)				
<u>Carbon steel</u>				
Billets, etc., for forging	30,183		15,557	14,986
Other semi-finished shapes, not for re-rolling by makers	56,305		664	53,300
Structural shapes and piling	59,954		63,273	...
Plates	83,425		82,989	18
Rails	130,062		130,276	...
Tie plates and track material: Splice bars	7,753		8,513	...
Tie plates	27,430		27,079	...
Spikes	6,010		6,461	...
Concrete reinforcing bars	57,275		50,482	...
Hot rolled bars for cold finishing	3,454		...	3,449
Other hot rolled bars	181,588		134,253	40,502
Pipes and tubes	58,052		67,692	11
Wire rods	103,055		102,051	301
Hot rolled black sheets	308,747		72,861	240,976
Cold reduced black sheets	99,133		70,321	29,000
Galvanized sheets	44,214		44,545	...
Steel castings	29,889		30,248	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	271,768		158,987	120,896
Total carbon steel	1,558,297		1,066,252	503,439
<u>Alloy steel</u>				
Billets, etc., for forging	2,577		2,535	...
Other semi-finished shapes, not for re-rolling by makers	965		...	965
Plates	304		310	...
Hot rolled bars for cold finishing .....	...		...	...
Other hot rolled bars	24,890		24,116	96
Wire rods	476		491	3
Steel castings	9,373		9,369	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	4,148		3,990	...
Total alloy steel	42,733		40,811	1,064

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, May, 1954, and Year to Date

	May, 1954		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	4,988	3,535	43,761	23,687
Agricultural, including farm machinery	6,421	194	29,032	715
Building construction	25,852	92	134,331	264
Containers industry	33,673	3	129,192	145
Machinery and tools	12,100	720	61,491	3,508
Merchant trade products	29,177	434	136,745	1,369
Mining, lumbering, etc.	8,321	678	36,810	4,110
National defence	3,695	505	14,955	1,973
Pressing, forming and stamping	11,259	64	62,980	475
Public works and utilities	762	47	4,931	178
Railway operating	37,444	93	185,734	501
Railway cars and locomotives	8,313	85	69,675	1,063
Shipbuilding	645	24	8,044	213
Miscellaneous and unclassified	1,167	157	5,631	599
Wholesalers and warehouses	24,650	140	134,526	438
Direct export (a) to British Empire ..	331	39	1,225	191
(b) to other countries ..	1,220	223	7,189	1,382
Total shipped for sale	210,018	7,033	1,066,252	40,811
Producers' interchange	109,495	297	503,439	1,064

Table 13 - Imports of Primary Forms of Iron and Steel, May, 1954, and Year to Date

Table 15 - Imports of Primary Forms of Iron and Steel, May, 1954, and Year to Date							
Commodity	Country of origin	May, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	...	...	...	115	...	...
Malleable	United States	225	...	...	453	...	...
Silvery	United States	111	...	...	1,312	...	...
Foundry	United States	...	...	...	614	...	...
	United Kingdom	112	...	...	112	...	...
	Spain	5,462	...	...	5,462	...	...
	Australia	...	...	...	335	...	...
Ingots	United States	24	34	...	376	362	...
Billets, blooms, slabs and sheet bars	United States	35	17	...	259	177	40.9
	United Kingdom	6	40	...	6	64	...
Tube rounds and tube billets	United States	594	...	...	795	...	...
Bars and sections -							
Hot rolled, n.o.p.	United States	1,602	194	16.9	9,594	1,465	72.4
	United Kingdom	122	63	22.3	255	156	65.7
	Belgium	1,238	...	...	3,961	...	...
	Austria	...	6	...	...	43	...
	France	1,059	...	...	1,451	...	...
	Germany	141	...	...	288	...	...
Hot rolled -							
For agricultural implements	United States	227	2	...	956	21	...
Rounds over 4-7/8", squares over 4"	United States	42	8	...	690	23	...
	United Kingdom	...	...	...	56	5	.5
Angles, channels, etc.	United States	269	...	11.5	2,518	...	25.5
	United Kingdom	4	...	...	67	...	...
	Belgium	261	...	...	1,135	...	...
	Germany	...	...	...	30	...	...
	France	148	...	...	155	...	...
Structurals (bar sizes) for agricultural implements	United States	...	...	...	48	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, May, 1954, and Year to Date (Continued)

Commodity	Country of origin	May, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections (concluded) -							
Hot rolled (concluded) -							
Sash or casement sections	United States	66	...	...	1,034	...	...
	United Kingdom	56	...	...	94	...	...
	Belgium	...	...	...	71	...	...
Cold finished, n.o.p.	United States	217	36	6.5	2,091	160	65.8
	United Kingdom	133	...	.4	462	5	33.4
	Belgium	9	...	...	107	...	...
	Sweden	...	19	...	...	111	...
	France	21	...	...	481	...	...
Cold finished, for agricultural implements	United States	154	...	...	579	...	...
Tool steel	United States	2	33	...	18	206	...
	United Kingdom	10	44	...	96	303	...
	Germany	...	10	...	...	10	...
Structurals	United States	14,524	...	...	121,523	...	...
	United Kingdom	152	...	...	1,100	...	...
	Belgium	511	...	...	5,769	...	...
	France	159	...	...	3,153	...	...
	Germany	246	...	...	422	...	...
Plates -							
78" and under in width	United States	2,458	20	28.9	15,118	171	191.7
	United Kingdom	2,654	...	1.8	8,180	...	43.3
	Germany	183	...	...	183	...	...
	Japan	264	...	...	1,495	...	...
	Belgium	...	...	...	74	...	...
Over 78" and under 100" in width ..	United States	2,361	...	2.9	16,853	...	30.8
	United Kingdom	738	...	...	7,196	...	...
100" in width and over	United States	323	...	6.6	1,895	...	51.0
	United Kingdom	...	...	...	298	...	...
Flanged, dished or curved	United States	110	...	...	329	...	...
Boiler, pulp-mill digesters	United States	331	...	...	1,612	...	...
Chequered or surface pattern	United States	689	...	...	3,647	...	...
	United Kingdom	3	...	...	50	...	...
Sheets -							
Silicon .075 or more	United States	...	1,200	...	...	6,328	...
Galvanized	United States	1,402	...	...	8,448	...	...
	United Kingdom	310	...	...	752	...	...
	Belgium	13	...	...	13	...	...
Hot rolled -							
18 gauge and heavier	United States	2,425	4	.6	22,744	59	16.6
	United Kingdom	81	...	32.6	861	...	91.1
	Sweden	...	...	17.4	...	...	55.2
Lighter than 18 gauge	United States	17	2	.6	17	13	5.4
	United Kingdom	...	...	...	...	...	1.2
	Belgium	7	...	...	7	...	...
Cold rolled -							
18 gauge and heavier	United States	832	...	80.7	4,531	...	449.8
	United Kingdom	12	...	72.6	261	...	377.6
Lighter than 18 gauge	United States	709	...	186.1	6,531	...	558.0
	United Kingdom	33	...	10.4	1,034	...	82.3
	Sweden	...	...	...	...	...	10.2
Corrugated	United States	270	...	...	1,793	...	...
	United Kingdom	...	...	...	13	...	...
Coated with paint, tar, asphaltum, etc.	United States	105	...	...	453	...	...
For saws	United States	...	52	...	...	272	...
	United Kingdom	...	4	...	...	13	...
	Sweden	...	1	...	...	1	...
For hollow ware (vitreous enamel) .	United States	539	...	...	4,250	...	...
	United Kingdom	66	...	...	497	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, May, 1954, and Year to Date (Continued)

Table 13 - Imports of primary forms of iron and steel, May, 1954, and year to date (continued)							
Commodity	Country of origin	May, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets (concluded) -							
Tin mill black plate	United States	...	...	...	6	...	...
For motor vehicles	United States	1,100	...	...	9,728	...	...
For heating apparatus	United States	27	...	...	102	...	...
For tubes	United States	30	...	...	145	...	...
Tin plate - Primes	United Kingdom	3	...	...	32	...	...
Electrolytic 25# coating	United States	60	...	...	133	...	...
Terne plate - Long	United States	198	...	...	1,727	...	...
Short	United States	204	...	...	1,087	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	193	...	...	2,157	46	...
	United Kingdom	...	...	...	44	...	...
	Belgium	48	...	...	59	...	...
	France	...	...	...	22	...	...
Lighter than 18 gauge	United States	...	...	...	223	...	...
	United Kingdom	28	...	...	28	...	...
Cold rolled -							
18 gauge and heavier	United States	142	26	6.5	749	114	65.9
	United Kingdom	...	...	...	35	...	4.0
Lighter than 18 gauge	United States	58	44	100.5	812	129	705.7
	United Kingdom	5	...	...	76	...	24.6
	Sweden	...	1	.6	...	27	.6
For cold rolling	United States	60	...	...	154	...	...
For saws	United States	...	30	...	...	129	...
	United Kingdom	...	...	...	...	3	...
	Sweden	...	11	...	...	46	...
For tubes	United States	...	...	...	200	...	...
For tubular products	United States	12	...	...	69	...	...
For motor vehicles	United States	1,132	...	...	7,174	...	...
For hoops	United States	...	...	...	300	...	...
	United Kingdom	27	...	...	115	...	...
For shoe and corset laces, etc. ...	United States	...	...	...	5	...	...
Coated with paint, tar, asphaltum, etc.	United States	322	...	...	2,299	...	...
	United Kingdom	...	...	...	2	...	...
	Germany	5	...	...	8	...	...
Silicon .075 or more	United States	...	413	...	...	2,214	...
For butt hinges	United States	107	...	...	392	...	...
Galvanized	United States	266	...	...	1,568	...	...
	United Kingdom	63	...	...	272	...	...
	Belgium	3	...	...	9	...	...
Skelp -							
15-3/8" and under in width	United States	5,008	...	...	22,956	...	...
Over 15-3/8" in width	United States	296	...	...	2,534	...	...
Pipes and tubes -							
Cast							
	United States	4	...	...	495	...	...
	United Kingdom	5,293	...	...	11,873	...	...
	Germany	...	...	...	37	...	...
	France	...	...	...	2	...	...
Repair of pressure parts of boilers -							
Hot finished							
	United States	104	29	...	1,138	58	135.0
	United Kingdom	140	...	...	846	...	...
	Switzerland	23	...	...	66	...	...
Cold drawn	United States	60	...	.6	123	1	3.1
	United Kingdom	...	...	...	71	...	...
	Sweden	...	...	...	11	...	...
Welded	United States	45	...	...	1,028	4	.7
	United Kingdom	103	...	...	267	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, May, 1954, and Year to Date (Continued)

Commodity	Country of origin	May, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes (concluded) -							
Seamless, 12" and under in diameter -							
Cold drawn	United States	394	179	16.0	1,736	1,780	68.4
	United Kingdom	113	5	15.9	512	15	82.1
	Sweden	77	57	.7	81	133	3.9
Hot finished	United States	213	22	...	2,969	61	11.5
	United Kingdom	616	4	...	2,262	6	...
	Germany	...	...	...	82	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	138	...	...	1,269	14	...
	United Kingdom	271	...	...	4,354	...	...
Welded, 4" and under in diameter.	United States	942	...	6.0	3,731	...	40.7
	United Kingdom	1,317	...	...	2,844	...	...
	France	...	...	...	76	...	...
	Germany	...	...	...	140	...	...
	Holland	...	...	...	7	...	...
	Belgium	...	...	...	42	...	...
Welded, over 4" in diameter	United States	22,627	...	1.3	40,867	...	13.9
	United Kingdom	1,058	...	...	1,216	...	...
Tubing -							
Not over 1/2" diameter, welded and coated	United States	19	...	...	144	...	...
Spiral welded	United States	271	...	...	2,415	...	...
Conduit	United States	586	...	...	2,214	...	...
Casings	United States	5,272	...	...	20,176	...	...
	United Kingdom	2,339	...	...	7,233	...	...
	Germany	...	...	...	1,423	...	...
	Italy	...	...	...	1,072	...	...
	Japan	21	...	...	21	...	...
Wire rope	United States	176	...	.7	335	...	1.7
	United Kingdom	238	...	...	715	...	...
	Germany	112	...	...	226	...	...
	Belgium	35	...	...	70	...	...
	Holland	...	...	...	75	...	...
	Norway	4	...	...	4	...	...
Wire - For rope	United States	225	...	...	901	...	1.1
	United Kingdom	1,079	...	1.7	4,375	...	1.7
	Norway	...	...	...	40	...	...
For springs, cushions, mattresses, etc.	United States	156	...	...	997	...	...
For corset clasps, dress stays, etc.	United States	4	...	...	33	...	...
Coated or covered	United States	3	...	...	32	...	...
	United Kingdom	33	...	...	133	...	...
	Belgium	...	...	...	19	...	...
	Germany	...	...	...	3	...	...
All other	United States	70	28	1.5	609	126	4.8
	United Kingdom	82	...	...	238	...	.2
	Belgium	33	...	...	105	...	...
	Germany	...	...	...	8	...	...
	Sweden	...	...	...	...	1	.6
	France	58	...	...	58	...	...
Wire rods, not over 3/8" in diameter.	United States	127	...	...	542	...	...
	United Kingdom	582	...	...	2,246	...	...
	Belgium	...	...	...	276	...	...
	Germany	409	...	...	794	...	...
	Sweden	36	...	...	36	...	...
Welding wire and welding rods	United States	21	88	...	298	435	...
	Sweden	...	...	...	...	2	...

Table 13 - Imports of Primary Forms of Iron and Steel, May, 1954 and Year to Date (Concluded)

Table 13 - Imports of primary forms of iron and steel, May, 1954 and year to date (continued)							
Commodity	Country of origin	May, 1954			Year to date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)							
Tires - For railway rolling stock ..	United States	2	...	...	10	...	...
	United Kingdom	2	...	...	607	...	...
Wheels - For railway rolling stock .	United States	56	...	...	75	...	...
	United Kingdom	1,181	...	...	4,559	...	...
Rails -							
60 lb. and under	United States	57	...	...	226	...	...
	Belgium	...	...	...	246	...	...
	Germany	...	...	...	5	...	...
Over 60 lb. and including 100 lb..	United States	7	...	...	1,112	...	...
	United Kingdom	5,221	...	...	8,422	...	...
Over 100 lb.	United States	46	...	...	1,101	...	...
	Belgium	...	...	...	26	...	...
Track material -							
Fish plates, angle bars, etc. ...	United States	48	...	...	1,181	...	...
	United Kingdom	546	...	...	1,891	...	...
	Belgium	...	...	...	5	...	...
Switch points, etc.	United States	4	...	...	138	...	...
Total imports	United States	71,555	2,461	474.4	371,611	14,368	2,560.4
	All other	35,418	265	176.4	106,404	944	878.2
TOTAL*	.....	106,973	2,726	650.8	478,015	15,312	3,438.6

* These totals are not strictly comparable with those of previous years since the categories, "Castings" and "Forgings," have been dropped from this year's totals.

Table 14 - Exports of Primary Iron and Steel, May, 1954, and Year to Date

	May, 1954	Year to date
(Tons of 2,000 pounds)		
Pig iron	41,707	47,301
Ingots, blooms and billets	286	1,143
Bars	413	1,863
Rods	6	15
Plates, etc.	1,614	9,289
Rails	257	1,398
Structural shapes	124	404
Pipe and tubing - Wrought iron .....	...	115
Cast iron .....	...	55
Galvanized	7	7
Other	82	224
Castings, iron and steel	1,200	6,971
Forgings	177	1,438
Total	45,873	70,223

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PRIMARY IRON AND STEEL

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PRIMARY IRON AND STEEL

Pig Iron - Production of pig iron in Canada amounted to 167,211 tons in June, 1954, compared with 266,180 tons in the corresponding month of last year. The total for the current month included 141,402 tons of basic iron, 18,682 tons of malleable iron and 7,127 tons of foundry iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during June, 1954, totalled 271,993 tons compared with 352,463 tons in June of last year. Output in the month under review included 264,470 tons of ingots and 7,523 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During June, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made *	Tonnage shipped	Tonnage made *	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Pig iron</u> -				
Basic	202,933	8,804	141,402	654
Foundry	-	10,733	7,127	9,795
Malleable	63,247	45,042	18,682	34,170
Total pig iron	266,180	64,579	167,211	44,619
<u>Ferro-alloys</u>	11,997	11,947	26,734+	22,888+

* Includes amounts for sale and for own use.

+ Second quarter.

Table 2 - Cumulative Production and Shipments for the Six Months Ended June, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made *	Tonnage shipped	Tonnage made *	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Pig iron</u> -				
Basic	1,210,492	38,194	890,389	8,612
Foundry	76,190	74,254	97,071	65,840
Malleable	200,902	184,463	150,612	120,717
Total pig iron	1,487,584	296,911	1,138,072	195,169
<u>Ferro-alloys</u>	90,493	83,434	49,948	44,206

* Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During June and Six Months Ended June, 1953 and 1954

	J u n e		Six months ended June	
	1 9 5 3	1 9 5 4	1 9 5 3	1 9 5 4
(Net tons of 2,000 pounds)				
Iron ore - Canadian	119,127	59,528	653,934	455,550
Imported	337,584	203,673	1,893,305	1,473,964
Mill cinder, scale, sinter, etc. .	61,293	50,261	350,885	295,942
Limestone	94,723	58,104	516,594	418,558
Dolomite	25,083	20,487	145,929	126,344
Coke	247,128	148,598	1,388,631	1,023,197
Scrap iron and steel	9,604	5,350	56,537	35,834

Table 4 - Description of Iron Blast Furnaces at End of June, 1954

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	7	2,517,900	65.9
Banked	-	-	-
Blown out	9	1,300,100	34.1
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During June, 1953 and 1954

	1953		1954	
	Tonnage made *	Tonnage shipped	Tonnage made *	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	296,188	303	227,534	250
Electric	46,441	31	36,936	97
Total steel ingots	342,629	334	264,470	347
Alloy steel ingots included in above	20,095	-	9,814	-
<u>Steel castings</u>				
Open hearth - basic	2,947	2,616	2,120	1,820
Converter	37	20	11	14
Electric	6,850	5,364	5,392	4,381
Total steel castings	9,834	8,000	7,523	6,215
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	313	278	269	282
(b) High alloy, manganese and abrasion resistant	1,260	1,109	893	963
(c) All other alloys	1,194	294	731	199

* Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Six Months Ended June, 1953 and 1954

	1953		1954	
	Tonnage made *	Tonnage shipped	Tonnage made *	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	1,809,267	45,262	1,362,966	740
Electric	257,011	504	192,131	148
Total steel ingots	2,066,278	45,766	1,555,097	888
Alloy steel ingots included in above	112,598	186	66,022	66
<u>Steel castings</u>				
Open hearth - basic	16,462	14,127	13,683	11,788
Converter	254	173	34	14
Electric	40,412	30,893	34,427	26,746
Total steel castings	57,128	45,193	48,144	38,548
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	1,758	412	2,010	1,878
(b) High alloy, manganese and abrasion resistant	7,141	6,335	4,867	4,812
(c) All other alloys	5,810	1,330	4,944	1,011

* Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces, June, 1953 and 1954, and Six Months Ended June, 1954

	June 1953	June 1954	Six months ended June, 1954
	(Net tons of 2,000 pounds)		
Pig iron	197,270	149,159	885,698
Scrap - Own make	99,895	79,806	508,445
Purchased	85,153	55,860	305,149

Table 8 - Steel Furnace Capacity at Thirty-First of October, 1953

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,951,300
Electric	714,400
Total ingots	4,665,700
Steel castings	313,900
Total ingots and castings ..	4,979,600

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1953 and 1954

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
	(Net tons of 2,000 pounds)				
<u>1953</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
Total six months ..	1,487,584	90,493	2,066,278	57,128	2,123,406
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
December	220,526	8,779	296,345	9,085	305,430
Total	3,012,269	150,595	4,009,813	105,656	4,115,469
<u>1954</u>					
January	214,999		290,487	8,413	298,900
February	182,050		258,765	8,146	266,911
March	200,763	23,214*	240,515	8,775	249,290
April	194,307		247,872	7,924	255,796
May	178,742		252,988	7,363	260,351
June	167,211	26,734+	264,470	7,523	271,993
Total six months ..	1,138,072	49,948	1,555,097	48,144	1,603,241

* First quarter.

+ Second quarter.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 230,340 net tons in June, 1954, compared with 277,707 tons in June, 1953. The June, 1954, shipments included 4,628 tons of semi-finished shapes, 12,017 tons of structurals, 16,022 tons of plates, 24,351 tons of rails, 8,442 tons of tie plates and track material, 25,199 tons of hot rolled bars, 25,954 tons of pipes and tubes, 24,285 tons of wire rods, 21,720 tons of black sheets, 10,171 tons of galvanized sheets, 7,478 tons of castings, and 50,073 tons of other rolled products. The amount of producers' interchange was 132,720 tons in June, 1954, as against 130,635 tons in June, 1953.

Of the amounts shipped for sale during June, 44,334 tons went direct to railways and railway car shops; 12,643 tons went to pressing, forming and stamping plants; 29,888 tons to merchant trade products; 33,410 tons to building construction; 23,812 tons to the containers industry; 6,277 tons to agricultural equipment; 9,047 tons to the automotive industry; 13,410 tons to machinery plants; 710 tons to shipbuilding; 13,515 tons to mining, lumbering, etc.; and 11,257 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 29,196 tons, and exports for 2,841 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 132,720 tons in June, 1954.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, June, 1954

	P r o d u c t i o n		S h i p m e n t s	
	(Including producers' interchange)	For sale	Producers' interchange	
(Tons of 2,000 pounds)				
<u>Carbon steel</u>				
Billets, etc., for forging	5,137	3,920	2,753	
Other semi-finished shapes, not for re-rolling by makers	8,124	179	13,816	
Structural shapes and piling	11,068	12,017	-	
Plates	15,380	16,011	-	
Rails	24,144	24,351	-	
Tie plates and track material: Splice bars ..	2,432	2,437	-	
Tie plates ..	4,362	4,569	-	
Spikes	1,377	1,436	-	
Concrete reinforcing bars	13,698	18,437	-	
Hot rolled bars for cold finishing	997	-	965	
Other hot rolled bars	33,314	22,110	8,848	
Pipes and tubes	26,034	25,954	-	
Wire rods	23,681	24,273	187	
Hot rolled black sheets	60,727	10,127	51,011	
Cold reduced black sheets	18,395	11,593	6,616	
Cold reduced strip	1,631	1,320	136	
Galvanized sheets	9,733	10,171	-	
Steel castings	5,451	5,559	-	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	77,528	29,432	48,124	
Total carbon steel	343,213	223,896	132,456	
<u>Alloy steel</u>				
Billets, etc., for forging	526	529	-	
Other semi-finished shapes, not for re-rolling by makers	250	-	250	
Plates	-44	11	-	
Hot rolled bars for cold finishing	-	-	-	
Other hot rolled bars	3,245	3,089	14	
Wire rods	3	12	-	
Steel castings	1,838	1,919	-	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	951	884	-	
Total alloy steel	6,769	6,444	264	

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Six Months Ended June, 1954

	P r o d u c t i o n		S h i p m e n t s	
	(Including producers' interchange)	For sale	Producers' interchange	
(Tons of 2,000 pounds)				
<u>Carbon steel</u>				
Billets, etc., for forging	35,320	19,477	17,739	
Other semi-finished shapes, not for re-rolling by makers	64,429	843	67,116	
Structural shapes and piling	71,022	75,290	-	
Plates	98,805	99,000	18	
Rails	154,206	154,627	-	
Tie plates and track material: Splice bars ..	10,185	10,950	-	
Tie plates ..	31,792	31,648	-	
Spikes	7,387	7,897	-	
Concrete reinforcing bars	70,973	68,919	-	
Hot rolled bars for cold finishing	4,451	-	4,414	
Other hot rolled bars	214,902	156,363	49,350	
Pipes and tubes	84,086	93,646	11	
Wire rods	126,736	126,324	488	
Hot rolled black sheets	369,474	82,988	291,987	
Cold reduced black sheets	117,528	81,914	35,616	
Cold reduced strip	8,457	8,124	155	
Galvanized sheets	53,947	54,716	-	
Steel castings	35,340	35,807	-	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	342,470	181,615	169,001	
Total carbon steel	1,901,510	1,290,148	635,895	
<u>Alloy steel</u>				
Billets, etc., for forging	3,103	3,064	-	
Other semi-finished shapes, not for re-rolling by makers	1,215	-	1,215	
Plates	260	321	-	
Hot rolled bars for cold finishing	-	-	-	
Other hot rolled bars	28,135	27,205	110	
Wire rods	479	503	3	
Steel castings	11,211	11,288	-	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	5,099	4,874	-	
Total alloy steel	49,502	47,255	1,328	

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, June, 1954, and Year to Date

	June, 1954		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	6,132	2,915	49,893	26,602
Agricultural, including farm machinery	6,157	120	35,189	835
Building construction	33,360	50	167,691	314
Containers industry	23,802	10	152,994	155
Machinery and tools	12,565	845	74,056	4,353
Merchant trade products	29,787	101	166,532	1,470
Mining, lumbering, etc.	12,474	1,041	49,284	5,151
National defence	3,068	525	18,023	2,498
Pressing, forming and stamping	12,581	62	75,561	537
Public works and utilities	6,243	59	11,174	237
Railway operating	33,892	97	219,626	598
Railway cars and locomotives	10,278	67	79,953	1,130
Shipbuilding	664	46	8,708	259
Miscellaneous and unclassified	1,230	132	6,861	731
Wholesalers and warehouses	29,146	50	163,672	488
Direct export (a) to British Empire ..	500	28	1,725	219
(b) to other countries .	2,017	296	9,206	1,678
Total shipped for sale	223,896	6,444	1,290,148	47,255
Producers' interchange	132,456	264	635,895	1,328

Table 13 - Imports of Primary Forms of Iron and Steel, June, 1954, and Year to Date

Commodity	Country of origin	June, 1954			Year to date		
		Carbon	Alloy	Stain-less	Carbon	Alloy	Stain-less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	-	-	-	115	-	-
	United Kingdom	2,810	-	-	2,810	-	-
Malleable	United States	57	-	-	510	-	-
Silvery	United States	399	-	-	1,711	-	-
Foundry	United States	-	-	-	614	-	-
	United Kingdom	-	-	-	112	-	-
	Spain	-	-	-	5,462	-	-
	Australia	-	-	-	335	-	-
Ingots	United States	82	98	-	458	460	-
Billets, blooms, slabs and sheet bars.	United States	50	21	.3	309	198	41.2
	United Kingdom	-	1	-	6	65	-
	Belgium	1,000	-	-	1,000	-	-
Tube rounds and tube billets	United States	69	-	-	864	-	-
Bars and sections -							
Hot rolled, n.o.p.	United States	2,520	221	11.4	12,114	1,686	83.8
	United Kingdom	644	32	24.9	899	188	90.6
	Belgium	1,547	-	-	5,508	-	-
	Austria	-	17	-	-	60	-
	France	1,783	-	-	3,234	-	-
	Germany	22	-	-	310	-	-
Hot rolled -							
For agricultural implements	United States	287	1	-	1,243	22	-
Rounds over 4-7/8", squares over 4"	United States	6	-	.6	696	23	.6
	United Kingdom	170	7	-	226	12	.5
Angles, channels, etc.	United States	418	-	6.7	2,936	-	32.2
	United Kingdom	81	-	-	148	-	-
	Belgium	201	-	-	1,336	-	-
	Germany	-	-	-	30	-	-
	France	165	-	-	320	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, June, 1954, and Year to Date (Continued)

Commodity	Country of origin	June, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Bars and sections (concluded) -							
Hot rolled (concluded) -							
Structurals (bar sizes) for agricultural implements	United States	4	-	-	52	-	-
Sash or casement sections	United States	214	-	-	1,248	-	-
	United Kingdom	45	-	-	139	-	-
	Belgium	-	-	-	71	-	-
Cold finished, n.o.p.	United States	269	36	9.5	2,360	196	75.3
	United Kingdom	150	-	2.4	612	5	35.8
	Belgium	6	-	-	113	-	-
	Sweden	-	3	-	-	114	-
	France	-	-	-	481	-	-
Cold finished, for agricultural implements	United States	207	16	-	786	16	-
Tool steel	United States	1	35	-	19	241	-
	United Kingdom	21	52	-	117	355	-
	Germany	-	-	-	-	10	-
Structurals	United States	17,815	-	-	139,338	-	-
	United Kingdom	280	-	-	1,380	-	-
	Belgium	1,208	-	-	6,977	-	-
	France	731	-	-	3,884	-	-
	Germany	327	-	-	749	-	-
Plates -							
78" and under in width	United States	2,682	72	38.3	17,800	243	230.0
	United Kingdom	4,157	-	21.9	12,337	-	65.2
	Japan	159	-	-	1,654	-	-
	Belgium	-	-	-	74	-	-
	Germany	-	-	-	183	-	-
Over 78" and under 100" in width ...	United States	2,201	5	25.8	19,054	5	56.6
	United Kingdom	178	-	-	7,374	-	-
100" in width and over	United States	247	-	-	2,142	-	51.0
	United Kingdom	7	-	-	305	-	-
Flanged, dished or curved	United States	113	-	-	442	-	-
Boiler, pulp-mill digesters	United States	288	-	-	1,900	-	-
Chequered or surface pattern	United States	599	-	-	4,246	-	-
	United Kingdom	93	-	-	143	-	-
Sheets -							
Silicon .075 or more	United States	-	1,302	-	-	7,630	-
	United Kingdom	-	29	-	-	29	-
Galvanized	United States	1,657	-	-	10,105	-	-
	United Kingdom	108	-	-	860	-	-
	Belgium	-	-	-	13	-	-
Hot rolled -							
18 gauge and heavier	United States	2,543	3	19.0	25,287	62	35.6
	United Kingdom	18	-	39.3	879	-	130.4
	Sweden	-	-	6.5	-	-	61.7
Lighter than 18 gauge	United States	5	11	4.6	22	24	10.0
	United Kingdom	-	-	.9	-	-	2.1
	Belgium	-	-	-	7	-	-
	Sweden	-	-	.7	-	-	.7
Cold rolled -							
18 gauge and heavier	United States	557	-	96.6	5,088	-	546.4
	United Kingdom	1	-	48.6	262	-	426.2
Lighter than 18 gauge	United States	608	-	117.1	7,139	-	675.1
	United Kingdom	175	-	39.6	1,209	-	121.9
	Sweden	-	-	-	-	-	10.2
Corrugated	United States	523	-	-	2,316	-	-
	United Kingdom	-	-	-	13	-	-
Coated with paint, tar, asphaltum, etc.	United States	257	-	-	710	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, June, 1954, and Year to Date (Continued)

Commodity	Country of origin	June, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets (concluded) -							
For saws	United States	-	21	-	-	293	-
	United Kingdom	-	-	-	-	13	-
	Sweden	-	-	-	-	1	-
For hollow ware (vitreous enamel) ..	United States	495	-	-	4,745	-	-
	United Kingdom	57	-	-	554	-	-
Tin mill black plate	United States	-	-	-	6	-	-
For motor vehicles	United States	1,115	-	-	10,843	-	-
For heating apparatus	United States	-	-	-	102	-	-
For tubes	United States	114	-	-	259	-	-
Tin plate - Primes	United Kingdom	2,479	-	-	2,511	-	-
Electrolytic 25# coating	United States	-	-	-	133	-	-
Terne plate - Long	United States	219	-	-	1,946	-	-
Short	United States	224	-	-	1,311	-	-
Strip -							
Hot rolled -							
18 gauge and heavier	United States	292	-	-	2,449	46	-
	United Kingdom	46	-	-	90	-	-
	France	-	-	-	22	-	-
	Belgium	72	-	-	131	-	-
Lighter than 18 gauge	United States	-	-	-	223	-	-
	United Kingdom	-	-	-	28	-	-
Cold rolled -							
18 gauge and heavier	United States	73	4	3.1	822	118	69.0
	United Kingdom	-	-	-	35	-	4.0
Lighter than 18 gauge	United States	238	12	114.6	1,050	141	820.3
	United Kingdom	16	-	-	92	-	24.6
	Sweden	-	10	1.3	-	37	1.9
For cold rolling	United States	-	-	-	154	-	-
For saws	United States	-	43	-	-	172	-
	United Kingdom	-	-	-	-	3	-
	Sweden	-	7	-	-	53	-
For tubes	United States	-	-	-	200	-	-
For tubular products	United States	26	-	-	95	-	-
For motor vehicles	United States	708	-	-	7,882	-	-
For hoops	United States	72	-	-	372	-	-
	United Kingdom	64	-	-	179	-	-
	Sweden	1	-	-	1	-	-
For shoe and corset laces, etc.	United States	-	-	-	5	-	-
Coated with paint, tar, asphaltum, etc.	United States	615	-	-	2,914	-	-
	United Kingdom	2	-	-	4	-	-
	Germany	6	-	-	14	-	-
Silicon .075 or more	United States	-	271	-	-	2,485	-
For butt hinges	United States	42	-	-	434	-	-
Galvanized	United States	332	-	-	1,900	-	-
	United Kingdom	66	-	-	338	-	-
	Belgium	-	-	-	9	-	-
Skelp -							
15-3/8" and under in width	United States	1,608	-	-	24,564	-	-
Over 15-3/8" in width	United States	767	-	-	3,301	-	-
	Belgium	1,109	-	-	1,109	-	-
Pipes and tubes -							
Cast	United States	32	-	-	527	-	-
	United Kingdom	4,988	-	-	16,861	-	-
	Germany	-	-	-	37	-	-
Repair of pressure parts of boilers -							
Hot finished	United States	58	18	2.5	1,196	76	137.5
	United Kingdom	208	-	-	1,054	-	-
	Switzerland	-	-	-	66	-	-
Cold drawn	United States	38	11	.8	161	12	3.9
	United Kingdom	154	-	-	225	-	-
	Sweden	-	-	-	11	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, June, 1954, and Year to Date (Continued)

Commodity	Country of origin	June, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes (concluded) -							
Repair of pressure parts of boilers (concluded) -							
Welded	United States	62	18	1.5	1,090	22	2.2
	United Kingdom	49	-	-	316	-	-
Seamless, 12" and under in diameter -							
Cold drawn	United States	439	140	59.2	2,175	1,920	127.6
	United Kingdom	196	2	17.0	708	17	99.1
	Sweden	-	99	.1	81	232	4.0
Hot finished	United States	511	76	4.2	3,480	137	15.7
	United Kingdom	1,604	7	-	3,866	13	-
	Germany	-	-	-	82	-	-
Seamless, over 12" in diameter -							
Hot finished	United States	862	-	-	2,131	14	-
	United Kingdom	183	-	-	4,537	-	-
Welded, 4" and under in diameter ..	United States	1,089	-	3.3	4,820	-	44.0
	United Kingdom	1,733	-	-	4,577	-	-
	France	-	-	-	76	-	-
	Germany	216	-	-	356	-	-
	Holland	-	-	-	7	-	-
	Belgium	14	-	-	56	-	-
Welded, over 4" in diameter	United States	21,130	-	2.3	61,997	-	16.2
	United Kingdom	2,323	-	-	3,539	-	-
Tubing -							
For bedstead	France	-	-	-	2	-	-
Not over 1/2" in diameter, welded and coated	United States	16	-	-	160	-	-
Spiral welded	United States	793	-	-	3,208	-	-
Conduit	United States	138	-	-	2,352	-	-
Casings	United States	9,635	-	-	29,811	-	-
	United Kingdom	2,734	-	-	9,967	-	-
	Germany	1,494	-	-	2,917	-	-
	Italy	727	-	-	1,799	-	-
	Japan	674	-	-	695	-	-
Wire rope							
	United States	47	-	.2	382	-	1.9
	United Kingdom	167	-	-	882	-	-
	Germany	11	-	-	237	-	-
	Belgium	18	-	-	88	-	-
	Holland	45	-	-	120	-	-
	Norway	-	-	-	4	-	-
Wire - For rope	United States	274	-	.2	1,175	-	1.3
	United Kingdom	909	-	-	5,284	-	1.7
	Norway	-	-	-	40	-	-
For springs, cushions, mattresses, etc.	United States	239	-	-	1,236	-	-
For corset clasps, dress stays, etc.	United States	-	-	-	33	-	-
Coated or covered	United States	99	-	-	131	-	-
	United Kingdom	106	-	-	239	-	-
	Belgium	4	-	-	23	-	-
	Germany	112	-	-	115	-	-
All other	United States	183	4	1.8	792	130	6.6
	United Kingdom	70	-	-	308	-	.2
	Belgium	34	-	-	139	-	-
	Germany	8	-	-	16	-	-
	Sweden	-	-	1.1	-	1	1.7
	France	4	-	-	62	-	-
Wire rods, not over 3/8" in diameter...	United States	50	-	-	592	-	-
	United Kingdom	614	-	-	2,860	-	-
	Germany	248	-	-	1,042	-	-
	Belgium	14	-	-	290	-	-
	Sweden	-	-	-	36	-	-
Welding wire and welding rods	United States	205	113	-	503	548	-
	Sweden	-	-	-	-	2	-

Table 13 - Imports of Primary Forms of Iron and Steel, June, 1954, and Year to Date (Concluded).

Table 15 - Imports of primary forms of iron and steel, June, 1954, and year to date (continued)							
Commodity	Country of origin	June, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Tires - For railway rolling stock	United States	5	-	-	15	-	-
	United Kingdom	65	-	-	672	-	-
Wheels - For railway rolling stock ...	United States	-	-	-	75	-	-
	United Kingdom	2,056	-	-	6,615	-	-
Rails -							
60 lb. and under	United States	3	-	-	229	-	-
	Belgium	147	-	-	393	-	-
	Germany	158	-	-	163	-	-
	France	38	-	-	38	-	-
Over 60 lb. and including 100 lb. ..	United States	15	-	-	1,127	-	-
	United Kingdom	-	-	-	8,422	-	-
Over 100 lb.	United States	-	-	-	1,101	-	-
	Belgium	-	-	-	26	-	-
Track material -							
Fish plates, angle bars, etc.	United States	35	-	-	1,216	-	-
	United Kingdom	-	-	-	1,891	-	-
	Belgium	5	-	-	10	-	-
	France	1	-	-	1	-	-
	Germany	9	-	-	9	-	-
Switch points, etc.	United States	9	-	-	147	-	-
Total imports	United States	77,585	2,552	523.6	449,196	16,920	3084.0
	All other	42,145	266	204.3	148,549	1,210	1082.5
TOTAL*		119,730	2,818	727.9	597,745	18,130	4166.5

* - These totals are not strictly comparable with those of previous years since the categories, "Castings" and "Forgings" have been dropped from this year's totals.

Table 14 - Exports of Primary Iron and Steel, June, 1954 and Year to Date

	June, 1954	Year to date
(Tons of 2,000 pounds)		
Pig iron	23,804	71,105
Ingots, blooms and billets	336	1,479
Bars	257	2,120
Rods	-	15
Plates, etc.	2,019	11,308
Rails	35	1,433
Structural shapes	69	473
Pipe and tubing - Wrought iron	-	115
Cast iron	7	63
Galvanized	-	7
Other	250	454
Castings, iron and steel	638	7,610
Forgings	222	1,661
Total	27,637	97,843

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PRIMARY IRON AND STEEL

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PRIMARY IRON AND STEEL

Pig Iron - Production of pig iron in Canada amounted to 174,403 tons in July, 1954, compared with 272,958 tons in the corresponding month of last year. The total for the current month included 144,000 tons of basic iron, 1,864 tons of malleable iron and 28,539 tons of foundry iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during July, 1954, totalled 260,454 tons compared with 323,385 tons in July of last year. Output in the month under review included 255,328 tons of ingots and 5,126 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production and Shipments During July, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	208,699	11,129	144,000	1,146
Foundry	17,837	8,572	1,864	8,280
Malleable	46,422	43,826	28,539	33,761
Total pig iron	272,958	63,527	174,403	43,187
<u>Ferro-alloys</u>	12,124	10,740	(x)	(x)

(*) Includes amounts for sale and for own use.

(x) Available on a quarterly basis only, in 1954 - see Table 9.

Table 2 - Cumulative Production and Shipments for the Seven Months Ended July, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u> -				
Basic	1,419,191	49,323	1,034,389	9,758
Foundry	94,027	82,826	98,935	74,120
Malleable	247,324	228,289	179,151	154,478
Total pig iron	1,760,542	360,438	1,312,475	238,356
<u>Ferro-alloys</u>	102,617	94,174	(x)	(x)

(*) Includes amounts for sale and for own use.

(x) Available on a quarterly basis only, in 1954 - see Table 9.

Table 3 - Iron Blast Furnace Charges During July and Seven Months Ended July, 1953 and 1954

	J u l y		Seven months ended July	
	1 9 5 3	1 9 5 4	1 9 5 3	1 9 5 4
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	123,424	60,222	777,358	515,772
Imported	360,480	231,382	2,253,785	1,705,346
Mill cinder, scale, sinter, etc.	60,496	49,271	411,381	345,213
Limestone	102,278	58,539	618,872	477,097
Dolomite	26,371	21,811	172,300	148,155
Coke	258,280	153,143	1,646,911	1,176,340
Scrap iron and steel	7,168	7,699	63,705	43,533

Table 4 - Description of Iron Blast Furnaces at End of July, 1954

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	7	2,443,500	64.0
Banked	-	-	-
Blown out	9	1,374,500	36.0
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Shipments During July, 1953 and 1954

	1953		1954	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	280,136	120	227,511	116
Electric	35,067	13	27,817	-
Total steel ingots	315,203	133	255,328	116
Alloy steel ingots included in above	8,253	13	5,912	-
<u>Steel castings</u>				
Open hearth - basic	1,672	1,289	972	723
Converter	35	40	24	16
Electric	6,475	4,680	4,130	3,217
Total steel castings	8,182	6,009	5,126	3,956
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	267	242	170	165
(b) High alloy, manganese and abrasion resistant	1,006	1,032	751	761
(c) All other alloys	1,111	234	509	279

(*) Includes amounts for sale and for own use.

NOTE: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Shipments for the Seven Months Ended July, 1953 and 1954

	1953		1954	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	2,089,403	45,382	1,590,477	856
Electric	292,078	517	219,948	148
Total steel ingots	2,381,481	45,899	1,810,425	1,004
Alloy steel ingots included in above	120,851	199	71,934	66
<u>Steel castings</u>				
Open hearth - basic	18,134	15,416	14,655	12,511
Converter	289	213	58	30
Electric	46,887	35,573	38,557	29,963
Total steel castings	65,310	51,202	53,270	42,504
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	921	677	2,180	2,043
(b) High alloy, manganese and abrasion resistant	8,466	7,565	5,618	5,573
(c) All other alloys	6,921	1,564	5,453	1,290

(*) Includes amounts for sale and for own use.

NOTE: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces, July, 1953 and 1954, and Seven Months Ended July, 1954.

	July 1953	July 1954	Seven months ended July, 1954
		(Net tons of 2,000 pounds)	
Pig iron	187,151	149,033	1,034,731
Scrap - Own make	93,322	76,892	585,337
Purchased	75,645	48,173	353,322

Table 8 - Steel Furnace Capacity at Thirty-First of October, 1953

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,951,300
Electric	714,400
Total ingots	4,665,700
Steel castings	313,900
Total ingots and castings ...	4,979,600

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1953 and 1954

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
<u>1 9 5 3</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
December	220,526	8,779	296,345	9,085	305,430
Total	3,012,269	150,595	4,009,813	105,656	4,115,469

<u>1 9 5 4</u>					
January	214,999		290,487	8,413	298,900
February	182,050		258,765	8,146	266,911
March	200,763	23,214 (x)	240,515	8,775	249,290
April	194,307		247,872	7,924	255,796
May	178,742		252,988	7,363	260,351
June	167,211	26,734 (*)	264,470	7,523	271,993
July	174,403		255,328	5,126	260,454

(x) First quarter.

(*) Second quarter.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 201,740 net tons in July, 1954, compared with 238,597 tons in July, 1953. The July, 1954, shipments included 1,676 tons of semi-finished shapes, 5,366 tons of structurals, 14,047 tons of plates, 32,165 tons of rails, 4,997 tons of tie plates and track material, 22,880 tons of hot rolled bars, 27,862 tons of pipes and tubes, 15,913 tons of wire rods, 20,501 tons of black sheets, 10,423 tons of galvanized sheets, 4,832 tons of castings, and 41,078 tons of other rolled products. The amount of producers' interchange was 112,831 tons in July, 1954, as against 123,216 tons in July, 1953.

Of the amounts shipped for sale during July, 42,793 tons went direct to railways and railway car shops; 11,922 tons went to pressing, forming and stamping plants; 18,353 tons to merchant trade products; 28,459 tons to building construction; 22,081 tons to the containers industry; 8,484 tons to agricultural equipment; 7,124 tons to the automotive industry; 10,206 tons to machinery plants; 793 tons to shipbuilding; 16,011 tons to mining, lumbering, etc., and 4,687 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 28,346 tons, and exports for 2,481 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 112,831 tons in July, 1954.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, July, 1954

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon steel</u>			
Billets, etc., for forging	2,051	813	124
Other semi-finished shapes, not for re-rolling by makers	6,630	141	4,006
Structural shapes and piling	4,946	5,366	-
Plates	14,044	14,031	-
Rails	32,540	32,165	-
Tie plates and track material: Splice bars	878	925	-
Tie plates	2,707	2,859	-
Spikes	1,165	1,213	-
Concrete reinforcing bars	11,180	13,281	-
Hot rolled bars for cold finishing	851	-	880
Other hot rolled bars	21,045	19,929	4,121
Pipes and tubes	22,809	27,862	-
Wire rods	15,068	15,812	8
Hot rolled black sheets	59,823	7,194	52,726
Cold reduced black sheets	18,819	13,307	6,268
Cold reduced strip	1,365	1,176	84
Galvanized sheets	10,034	10,423	-
Steel castings	3,466	3,459	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	73,886	25,979	44,446
Total carbon steel	303,307	195,935	112,663
<u>Alloy steel</u>			
Billets, etc., for forging	832	722	-
Other semi-finished shapes, not for re-rolling by makers	166	-	166
Plates	80	16	-
Hot rolled bars for cold finishing	-	-	-
Other hot rolled bars	3,019	2,951	2
Wire rods	76	101	-
Steel castings	1,383	1,373	-
All other products (Includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	598	642	-
Total alloy steel	6,154	5,805	168

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Seven Months Ended July, 1954

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon steel</u>			
Billets, etc., for forging	37,371	20,290	17,863
Other semi-finished shapes, not for re-rolling by makers	71,059	984	71,122
Structural shapes and piling	75,968	80,656	-
Plates	112,849	113,031	18
Rails	186,746	186,792	-
Tie plates and track material: Splice bars	11,063	11,875	-
Tie plates	34,499	34,507	-
Spikes	8,552	9,110	-
Concrete reinforcing bars	82,153	82,200	-
Hot rolled bars for cold finishing	5,302	-	5,294
Other hot rolled bars	235,947	176,292	53,471
Pipes and tubes	106,895	121,508	11
Wire rods	141,804	142,136	496
Hot rolled black sheets	429,297	90,182	344,713
Cold reduced black sheets	136,347	95,221	41,884
Cold reduced strip	9,822	9,300	239
Galvanized sheets	63,981	65,139	-
Steel castings	38,806	39,266	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	416,356	207,594	213,447
Total carbon steel	2,204,817	1,486,083	748,558
<u>Alloy steel</u>			
Billets, etc., for forging	3,935	3,786	-
Other semi-finished shapes, not for re-rolling by makers	1,381	-	1,381
Plates	340	337	-
Hot rolled bars for cold finishing	-	-	-
Other hot rolled bars	31,154	30,156	112
Wire rods	555	604	3
Steel castings	12,594	12,661	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	5,697	5,516	-
Total alloy steel	55,656	53,060	1,496

NOTE: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, July, 1954, and Year to Date

	July, 1954		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	4,422	2,702	54,315	29,304
Agricultural, including farm machinery ...	8,338	146	43,527	981
Building construction	28,447	12	196,138	326
Containers industry	22,078	3	175,072	158
Machinery and tools	9,529	677	83,585	5,030
Merchant trade products	18,204	149	184,736	1,619
Mining, lumbering, etc.	15,474	537	64,758	5,688
National defence	1,727	412	19,750	2,910
Pressing, forming and stamping	11,890	32	87,451	569
Public works and utilities	1,332	43	12,506	280
Railway operating	38,578	64	258,204	662
Railway cars and locomotives	4,029	122	83,982	1,252
Shipbuilding	752	41	9,460	300
Miscellaneous and unclassified	969	204	7,830	935
Wholesalers and warehouses	28,193	153	191,865	641
Direct export (a) to British Empire	722	123	2,447	342
(b) to other countries	1,251	385	10,457	2,063
Total shipped for sale	195,935	5,805	1,486,083	53,060
Producers' interchange	112,663	168	748,558	1,496

Table 13 - Imports of Primary Forms of Iron and Steel, July, 1954, and Year to Date

Commodity	Country of origin	July, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	56	-	-	171	-	-
	United Kingdom	-	-	-	2,810	-	-
	South Africa	45	-	-	45	-	-
Malleable	United States	-	-	-	510	-	-
Silvery	United States	232	-	-	1,943	-	-
Foundry	United States	-	-	-	614	-	-
	United Kingdom	-	-	-	112	-	-
	Spain	-	-	-	5,462	-	-
	Australia	-	-	-	335	-	-
Ingots	United States	43	99	-	501	559	-
Billets, blooms, slabs and sheet bars.	United States	152	-	-	461	198	41.2
	United Kingdom	5	2	-	11	67	-
	Belgium	-	-	-	1,000	-	-
Tube rounds and tube billets	United States	-	-	-	864	-	-
Bars and sections -							
Hot rolled, n.o.p.	United States	1,904	124	10.0	14,018	1,810	93.8
	United Kingdom	110	37	26.4	1,009	225	117.0
	Belgium	4,174	-	-	9,682	-	-
	Austria	-	-	-	-	60	-
	France	825	-	-	4,059	-	-
	Germany	272	-	-	582	-	-
Hot rolled -							
For agricultural implements	United States	176	-	-	1,419	22	-
Rounds over 4½", squares over 4" ..	United States	88	1	-	784	24	.6
	United Kingdom	42	2	.6	268	14	1.1
Angles, channels, etc.	United States	503	-	1.5	3,439	-	33.7
	United Kingdom	73	-	-	221	-	-
	Belgium	311	-	-	1,647	-	-
	Germany	-	-	-	30	-	-
	France	2	-	-	322	-	-
Structurals (bar sizes) for							
agricultural implements	United States	57	-	-	109	-	-
Sash or casement sections	United States	167	-	-	1,415	-	-
	United Kingdom	-	-	-	139	-	-
	Belgium	-	-	-	71	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, July, 1954, and Year to Date (Continued)

Commodity	Country of origin	July, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections (concluded) -							
Cold finished, n.o.p.	United States	233	28	15.3	2,593	224	90.6
	United Kingdom	93	2	1.3	705	7	37.1
	Belgium	24	-	-	137	-	-
	Sweden	-	-	-	-	114	-
	France	-	-	-	481	-	-
Cold finished, for agricultural implements	United States	272	-	-	1,058	16	-
Tool steel	United States	3	46	-	22	287	-
	United Kingdom	26	33	-	143	388	-
	Germany	-	-	-	-	10	-
Structurals	United States	14,519	-	-	153,857	-	-
	United Kingdom	285	-	-	1,665	-	-
	Belgium	1,229	-	-	8,206	-	-
	France	267	-	-	4,151	-	-
	Germany	167	-	-	916	-	-
Plates -							
78" and under in width	United States	1,425	42	103.7	19,225	285	333.7
	United Kingdom	803	-	65.1	13,140	-	130.3
	Germany	-	-	-	183	-	-
	Japan	107	-	-	1,761	-	-
	Belgium	-	-	-	74	-	-
Over 78" and under 100" in width ...	United States	934	10	22.5	19,988	15	79.1
	United Kingdom	40	-	-	7,414	-	-
100" in width and over	United States	625	33	15.0	2,767	33	66.0
	United Kingdom	-	-	-	305	-	-
Flanged, dished or curved	United States	97	-	-	539	-	-
Boiler, pulp-mill digesters	United States	310	-	-	2,210	-	-
Chequered or surface pattern	United States	1,289	-	-	5,535	-	-
	United Kingdom	-	-	-	143	-	-
Sheets -							
Silicon .075 or more	United States	-	594	-	-	8,224	-
	United Kingdom	-	-	-	29	-	-
Galvanized	United States	1,181	-	-	11,286	-	-
	United Kingdom	181	-	-	1,041	-	-
	Belgium	-	-	-	13	-	-
Hot rolled -							
18 gauge and heavier	United States	2,683	19	7.0	27,970	81	42.6
	United Kingdom	100	-	11.5	979	-	141.9
	Sweden	-	-	-	-	-	61.7
Lighter than 18 gauge	United States	-	1	-	22	25	10.0
	United Kingdom	-	-	-	-	-	2.1
	Belgium	-	-	-	7	-	-
	Sweden	-	-	-	-	-	.7
Cold rolled -							
18 gauge and heavier	United States	437	-	81.9	5,525	-	628.3
	United Kingdom	22	-	125.7	284	-	551.9
Lighter than 18 gauge	United States	285	-	178.3	7,424	-	853.4
	United Kingdom	159	-	36.2	1,368	-	158.1
	Sweden	-	-	-	-	-	10.2
Corrugated	United States	707	-	-	3,023	-	-
	United Kingdom	-	-	-	13	-	-
Coated with paint, tar, asphaltum, etc.	United States	90	-	-	800	-	-
For saws	United States	-	24	-	-	317	-
	United Kingdom	-	1	-	-	14	-
	Sweden	-	-	-	-	1	-
For hollow ware (vitreous enamel)...	United States	307	-	-	5,052	-	-
	United Kingdom	17	-	-	571	-	-
Tin mill black plate	United States	-	-	-	6	-	-
For motor vehicles	United States	563	-	-	11,406	-	-
For heating apparatus	United States	4	-	-	106	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, July, 1954, and Year to Date (Continued)

Commodity	Country of origin	July, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets (concluded) -							
For tubes	United States	19	-	-	278	-	-
Tin plate - Primes	United Kingdom	181	-	-	2,692	-	-
Electrolytic 25# coating	United States	48	-	-	181	-	-
	United Kingdom	1,977	-	-	1,977	-	-
Terne plate - Long	United States	179	-	-	2,125	-	-
Short	United States	81	-	-	1,392	-	-
Strip -							
Hot rolled -							
18 gauge and heavier	United States	293	-	-	2,742	46	-
	United Kingdom	61	-	-	151	-	-
	Belgium	-	-	-	131	-	-
	France	-	-	-	22	-	-
Lighter than 18 gauge	United States	37	-	-	260	-	-
	United Kingdom	-	-	-	28	-	-
Cold rolled -							
18 gauge and heavier	United States	112	31	5.2	934	149	74.2
	United Kingdom	8	-	-	43	-	4.0
Lighter than 18 gauge	United States	93	9	75.4	1,143	150	895.7
	United Kingdom	45	-	-	137	-	24.6
	Sweden	-	7	1.1	-	44	3.0
	Belgium	10	-	-	10	-	-
For cold rolling	United States	-	-	-	154	-	-
For saws	United States	-	11	-	-	183	-
	United Kingdom	-	-	-	-	3	-
	Sweden	-	5	-	-	58	-
For tubes	United States	-	-	-	200	-	-
For tubular products	United States	-	-	-	95	-	-
For motor vehicles	United States	900	-	-	8,782	-	-
For hoops	United States	30	-	-	402	-	-
	United Kingdom	15	-	-	194	-	-
	Sweden	4	-	-	5	-	-
For shoe and corset laces, etc.	United States	-	-	-	5	-	-
Coated with paint, tar, asphaltum, etc.	United States	1,043	-	-	3,957	-	-
	United Kingdom	-	-	-	4	-	-
	Germany	-	-	-	14	-	-
Silicon .075 or more	United States	-	302	-	-	2,787	-
For butt hinges	United States	26	-	-	460	-	-
Galvanized	United States	312	-	-	2,212	-	-
	United Kingdom	12	-	-	350	-	-
	Belgium	-	-	-	9	-	-
Skelp -							
15 $\frac{3}{8}$ " and under in width	United States	3,774	-	-	28,338	-	-
Over 15 $\frac{3}{8}$ " in width	United States	882	-	-	4,183	-	-
	Belgium	-	-	-	1,109	-	-
Pipes and tubes -							
Cast							
	United States	58	-	-	585	-	-
	United Kingdom	5,056	-	-	21,917	-	-
	Germany	-	-	-	37	-	-
For bedstead	France	-	-	-	2	-	-
Repair of pressure parts of boilers -							
Hot finished							
	United States	199	9	8.9	1,395	85	146.4
	United Kingdom	70	-	-	1,124	-	-
	Switzerland	23	-	-	89	-	-
	Germany	25	-	-	25	-	-
Cold drawn	United States	19	-	.1	180	12	4.0
	United Kingdom	35	-	-	260	-	-
	Sweden	-	-	-	11	-	-
Welded	United States	115	-	-	1,205	22	2.2
	United Kingdom	97	-	-	413	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, July, 1954, and Year to Date (Continued)

Commodity	Country of origin	July, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes (concluded) -							
Seamless, 12" and under in diameter -							
Cold drawn	United States	383	221	30.5	2,558	2,141	158.1
	United Kingdom	129	3	17.9	837	20	117.0
	Sweden	5	-	.5	86	232	4.5
Hot finished	United States	803	31	5.1	4,283	168	20.8
	United Kingdom	1,341	-	-	5,207	13	-
	Germany	12	-	-	94	-	-
Seamless, over 12" in diameter -							
Hot finished	United States	3,763	-	-	5,894	14	-
	United Kingdom	507	-	-	5,044	-	-
Welded, 4" and under in diameter..	United States	807	-	1.8	5,627	-	45.8
	United Kingdom	235	-	-	4,812	-	-
	France	27	-	-	103	-	-
	Germany	33	-	-	389	-	-
	Holland	10	-	-	17	-	-
	Belgium	5	-	-	61	-	-
Welded, over 4" in diameter	United States	29,103	-	-	91,100	-	16.2
	United Kingdom	8,275	-	-	11,814	-	-
Tubing -							
Not over 1/2" diameter, welded and coated	United States	25	-	-	185	-	-
Spiral welded	United States	324	-	-	3,532	-	-
Conduit	United States	32	-	-	2,384	-	-
Castings	United States	4,024	-	-	33,835	-	-
	United Kingdom	4,604	-	-	14,571	-	-
	Germany	2,761	-	-	5,678	-	-
	Italy	-	-	-	1,799	-	-
	Japan	2,456	-	-	3,151	-	-
Wire rope	United States	21	-	.1	403	-	2.0
	United Kingdom	185	-	-	1,067	-	-
	Germany	56	-	-	293	-	-
	Belgium	9	-	-	97	-	-
	Holland	11	-	-	131	-	-
	Norway	-	-	-	4	-	-
	Sweden	2	-	-	2	-	-
Wire - For rope	United States	114	-	.6	1,289	-	1.9
	United Kingdom	717	-	-	6,001	-	1.7
	Norway	-	-	-	40	-	-
For springs, cushions, mattresses, etc.	United States	54	-	-	1,290	-	-
For corset clasps, dress stays, etc.	United States	3	-	-	36	-	-
	United Kingdom	4	-	-	4	-	-
Coated or covered	United States	79	-	-	210	-	-
	United Kingdom	-	-	-	239	-	-
	Belgium	-	-	-	23	-	-
	Germany	21	-	-	136	-	-
All other	United States	109	2	.4	901	132	7.0
	United Kingdom	17	-	-	325	-	.2
	Belgium	90	-	-	229	-	-
	Germany	-	-	-	16	-	-
	Sweden	-	1	-	-	2	1.7
	France	33	-	-	95	-	-
Wire rods, not over 3/8" in diameter ...	United States	-	-	-	592	-	-
	United Kingdom	279	-	-	3,139	-	-
	Belgium	11	-	-	301	-	-
	Germany	-	-	-	1,042	-	-
	Sweden	-	-	-	36	-	-
Welding wire and welding rods	United States	1	40	-	504	588	-
	Sweden	-	-	-	-	2	-

Table 13 - Imports of Primary Forms of Iron and Steel, July, 1954, and Year to Date (Concluded)

Commodity	Country of origin	July, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Axles - For railway rolling stock ...	United States	16	-	-	16	-	-
Tires - For railway rolling stock ...	United States	-	-	-	15	-	-
	United Kingdom	243	-	-	915	-	-
Wheels - For railway rolling stock ...	United States	6	-	-	81	-	-
	United Kingdom	1,270	-	-	7,885	-	-
Rails -							
60 lb. and under	United States	18	-	-	247	-	-
	Belgium	37	-	-	430	-	-
	Germany	-	-	-	163	-	-
	France	-	-	-	38	-	-
Over 60 lb. and including 100 lb...	United States	85	-	-	1,212	-	-
	United Kingdom	-	-	-	8,422	-	-
Over 100 lb.	United States	3	-	-	1,104	-	-
	Belgium	-	-	-	26	-	-
Track material -							
Fish plates, angle bars, etc.	United States	42	-	-	1,258	-	-
	United Kingdom	172	-	-	2,063	-	-
	Belgium	2	-	-	12	-	-
	France	-	-	-	1	-	-
	Germany	-	-	-	9	-	-
Switch points, etc.	United States	2	-	-	149	-	-
Total imports	United States	77,379	1,677	563.3	526,575	18,597	3647.3
	All other	40,557	93	286.3	189,106	1,303	1368.8
TOTAL*		117,936	1,770	849.6	715,681	19,900	5016.1

* - These totals are not strictly comparable with those of previous years since the categories, "Castings" and "Forgings", have been dropped from this year's totals.

Table 14 - Exports of Primary Iron and Steel, July, 1954, and Year to Date

	July, 1954	Year to date
(Tons of 2,000 pounds)		
Pig iron	40,198	111,303
Ingots, blooms and billets	314	1,793
Bars	377	2,497
Rods	-	15
Plates, etc.	2,636	13,944
Rails	23	1,456
Structural shapes	44	517
Pipe and tubing - Wrought iron	-	115
Cast iron	39	102
Galvanized	3	10
Other	17	471
Castings, iron and steel	865	8,475
Forgings	251	1,912
Total	44,767	142,610

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CANADA

PRIMARY IRON AND STEEL

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PRIMARY IRON AND STEEL

Pig Iron - Production of pig iron in Canada amounted to 166,580 tons in August, 1954, compared with 267,249 tons in the corresponding month of last year. The total for the current month included 133,908 tons of basic iron, 20,348 tons of malleable iron and 12,324 tons of foundry iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during August, 1954, totalled 241,504 tons compared with 338,703 tons in August of last year. Output in the month under review included 235,984 tons of ingots and 5,520 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During August, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made *	Tonnage shipped	Tonnage made *	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	212,926	12,094	133,908	1,449
Foundry	8,943	10,726	12,324	10,989
Malleable	45,380	45,981	20,348	33,927
Total pig iron	267,249	68,801	166,580	46,365
<u>Ferro-alloys</u>	11,416	11,436	(x)	(x)

* Includes amounts for sale and for own use.

(x) Available on a quarterly basis only, in 1954 - See Table 9.

Table 2 - Cumulative Production and Shipments for the Eight Months Ended August, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made *	Tonnage shipped	Tonnage made *	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	1,632,117	61,417	1,168,297	11,207
Foundry	102,970	93,552	111,259	85,109
Malleable	292,704	274,270	199,499	188,405
Total pig iron	2,027,791	429,239	1,479,055	284,721
<u>Ferro-alloys</u>	114,033	105,610	(x)	(x)

* Includes amounts for sale and for own use.

(x) Available on a quarterly basis only, in 1954 - See Table 9.

Table 3 - Iron Blast Furnace Charges During August and Eight Months Ended August, 1953 and 1954

	A u g u s t		Eight months ended August	
	1 9 5 3	1 9 5 4	1953	1 9 5 4
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	152,372	55,125	929,730	570,897
Imported	316,172	219,596	2,569,957	1,924,942
Mill cinder, scale, sinter, etc. .	66,949	47,965	478,330	393,178
Limestone	92,421	54,965	711,293	532,062
Dolomite	40,124	18,645	212,424	166,800
Coke	231,657	142,528	1,878,568	1,318,868
Scrap iron and steel	5,745	6,007	69,450	49,540

Table 4 - Description of Iron Blast Furnaces at End of August, 1954

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	6	2,088,450	54.7
Banked	1	358,000	9.4
Blown out	9	1,371,550	35.9
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During August, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made *	Tonnage shipped	Tonnage made *	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	292,393	65	206,147	206
Electric	39,285	17	29,837	36
Total steel ingots	331,678	82	235,984	242
Alloy steel ingots included in above	14,475	65	10,532	13
<u>Steel castings</u>				
Open hearth - basic	2,057	1,766	1,525	1,344
Converter	-	-	8	22
Electric	4,968	4,800	3,987	3,186
Total steel castings	7,025	6,626	5,520	4,552
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	143	135	134	95
(b) High alloy, manganese and abrasion resistant	1,158	1,184	863	798
(c) All other alloys	626	311	521	315

* Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Eight Months Ended August, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made *	Tonnage shipped	Tonnage made *	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	2,381,796	45,447	1,796,624	1,062
Electric	331,363	534	249,785	184
Total steel ingots	2,713,159	45,981	2,046,409	1,246
Alloy steel ingots included in above	135,326	264	82,466	79
<u>Steel castings</u>				
Open hearth - basic	20,191	17,182	16,180	13,855
Converter	289	213	66	52
Electric	51,855	40,373	42,544	33,149
Total steel castings	72,335	57,828	58,790	47,056
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	1,064	735	2,314	2,138
(b) High alloy, manganese and abrasion resistant	9,624	8,749	6,481	6,371
(c) All other alloys	7,547	1,875	5,974	1,605

* Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Primary Iron and Steel

- 3 -

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces, August, 1953 and 1954, and Eight Months Ended August, 1954

	August 1953	August 1954	Eight months ended August, 1954
	(Net tons of 2,000 pounds)		
Pig iron	198,564	133,891	1,168,622
Scrap - Own make	96,257	74,555	659,892
Purchased	79,630	50,174	403,496

Table 8 - Steel Furnace Capacity at Thirty-First of December, 1953

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,919,200
Electric	738,300
Total ingots	4,657,500
Steel castings	334,275
Total ingots and castings	4,991,775

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1953 and 1954

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
1 9 5 3					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
Total eight months	2,027,791	114,033	2,713,159	72,335	2,785,494
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
December	220,526	8,779	296,345	9,085	305,430
Total	3,012,269	150,595	4,009,813	105,656	4,115,469
1 9 5 4					
January	214,999		290,487	8,413	298,900
February	182,050		258,765	8,146	266,911
March	200,763	23,214*	240,515	8,775	249,290
April	194,307		247,872	7,924	255,796
May	178,742		252,988	7,363	260,351
June	167,211	26,734+	264,470	7,523	271,993
July	174,403		255,328	5,126	260,454
August	166,580		235,984	5,520	241,504
Total eight months	1,479,055		2,046,409	58,790	2,105,199

* First quarter.

+ Second quarter.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 204,799 net tons in August, 1954, compared with 251,409 tons in August, 1953. The August, 1954, shipments included 4,333 tons of semi-finished shapes, 7,716 tons of structurals, 15,580 tons of plates, 8,930 tons of rails, 1,869 tons of tie plates and track material, 20,531 tons of hot rolled bars, 32,518 tons of pipes and tubes, 22,955 tons of wire rods, 23,155 tons of black sheets, 8,922 tons of galvanized sheets, 5,262 tons of castings, and 53,028 tons of other rolled products. The amount of producers' interchange was 106,784 tons in August, 1954, as against 118,658 tons in August, 1953.

Of the amounts shipped for sale during August, 15,826 tons went direct to railways and railway car shops; 13,233 tons went to pressing, forming and stamping plants; 27,434 tons to merchant trade products; 32,854 tons to building construction; 32,635 tons to the containers industry; 3,684 tons to agricultural equipment; 7,123 tons to the automotive industry; 10,770 tons to machinery plants; 591 tons to shipbuilding; 22,853 tons to mining, lumbering, etc., and 5,375 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 30,009 tons, and exports for 2,412 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 106,784 tons in August, 1954.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, August, 1954

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon steel</u>			
Billets, etc., for forging	4,777	3,370	640
Other semi-finished shapes, not for re-rolling by makers	1,103	52	4,341
Structural shapes and piling	8,724	7,716	-
Plates	17,364	15,541	-
Rails	9,036	8,930	-
Tie plates and track material: Splice bars	500	386	-
Tie plates	1,202	1,229	-
Spikes	309	254	-
Concrete reinforcing bars	18,922	16,235	-
Hot rolled bars for cold finishing	948	-	930
Other hot rolled bars	21,491	18,187	2,092
Pipes and tubes	32,031	32,518	-
Wire rods	22,605	22,873	146
Hot rolled black sheets	57,021	9,010	48,476
Cold reduced black sheets	19,416	14,145	6,282
Cold reduced strip	2,497	1,584	187
Galvanized sheets	8,457	8,922	14
Steel castings	3,854	3,933	-
All other products- (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	76,051	34,630	43,489
Total carbon steel	306,308	199,515	106,597
<u>Alloy steel</u>			
Billets, etc., for forging	860	911	-
Other semi-finished shapes, not for re-rolling by makers	187	-	187
Plates	8	39	-
Hot rolled bars for cold finishing	-	-	-
Other hot rolled bars	2,851	2,344	-
Wire rods	83	82	-
Steel castings	1,493	1,329	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, axles, etc.)	842	579	-
Total alloy steel	6,324	5,284	187

Primary Iron and Steel

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Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Eight Months Ended August, 1954

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon steel</u>			
Billets, etc., for forging	42,148	24,660	18,503
Other semi-finished shapes, not for re-rolling by makers	72,162	1,036	75,463
Structural shapes and piling	84,692	88,372	-
Plates	130,213	128,572	18
Rails	195,782	195,722	-
Tie plates and track material: Splice bars	11,563	12,261	-
Tie plates	35,701	35,736	-
Spikes	8,861	9,364	-
Concrete reinforcing bars	101,075	98,435	-
Hot rolled bars for cold finishing	6,250	-	6,224
Other hot rolled bars	257,438	194,479	55,563
Pipes and tubes	138,926	154,026	11
Wire rods	164,409	165,009	642
Hot rolled black sheets	486,318	99,192	393,189
Cold reduced black sheets	155,763	109,366	48,166
Cold reduced strip	12,319	10,884	426
Galvanized sheets	72,438	74,061	14
Steel castings	42,660	43,199	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	492,407	242,224	256,936
Total carbon steel	2,511,125	1,685,598	855,155
<u>Alloy steel</u>			
Billets, etc., for forging	4,795	4,697	-
Other semi-finished shapes, not for re-rolling by makers	1,568	-	1,568
Plates	348	376	-
Hot rolled bars for cold finishing	-	-	-
Other hot rolled bars	34,005	32,500	112
Wire rods	638	686	3
Steel castings	14,087	13,990	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, axles, etc.)	6,539	6,095	-
Total alloy steel	61,980	58,344	1,683

NOTE: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, August, 1954, and Year to Date

	August, 1954		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	5,352	1,771	59,667	31,075
Agricultural, including farm machinery ...	3,580	104	47,107	1,085
Building construction	32,825	29	228,963	355
Containers industry	32,627	8	207,699	166
Machinery and tools	10,058	712	93,643	5,742
Merchant trade products	27,210	224	211,946	1,843
Mining, lumbering, etc.	22,021	832	86,779	6,520
National defence	2,012	707	21,762	3,617
Pressing, forming and stamping	13,171	62	100,622	631
Public works and utilities	1,183	46	13,689	326
Railway operating	11,405	121	269,609	783
Railway cars and locomotives	4,204	96	88,186	1,348
Shipbuilding	562	29	10,022	329
Miscellaneous and unclassified	1,282	145	9,112	1,080
Wholesalers and warehouses	29,918	91	221,783	732
Direct export (a) to British Empire	423	28	2,870	370
(b) to other countries	1,682	279	12,139	2,342
Total shipped for sale	199,515	5,284	1,685,598	58,344
Producers' interchange	106,597	187	855,155	1,683

Table 13 - Imports of Primary Forms of Iron and Steel, August, 1954, and Year to Date

Commodity.	Country of origin	August, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	-	-	-	171	-	-
	United Kingdom	-	-	-	2,810	-	-
	South Africa	126	-	-	171	-	-
Malleable	United States	-	-	-	510	-	-
Silvery	United States	-	-	-	-	-	-
Foundry	United States	-	-	-	614	-	-
	United Kingdom	-	-	-	112	-	-
	Spain	-	-	-	5,462	-	-
	Australia	-	-	-	335	-	-
Ingot	United States	-	86	-	501	645	-
Billets, blooms, slabs and sheet bars.	United States	388	27	.8	849	225	42.0
	United Kingdom	-	-	-	11	67	-
	Belgium	-	-	-	1,000	-	-
Tube rounds and tube billets	United States	-	-	-	864	-	-
Bars and sections -							
Hot rolled, n.o.p.	United States	2,473	193	7.0	16,491	2,003	100.8
	United Kingdom	407	15	8.4	1,416	240	125.4
	Belgium	2,597	-	-	12,279	-	-
	Austria	-	-	-	-	60	-
	France	325	-	-	4,384	-	-
	Germany	121	-	-	703	-	-
Hot rolled -							
For agricultural implements	United States	172	1	-	1,591	23	-
Rounds over 4½", squares over 4" ..	United States	69	4	-	853	28	.6
	United Kingdom	85	6	.7	353	20	1.8
Angles, channels, etc.	United States	311	-	2.5	3,750	-	36.2
	United Kingdom	25	-	-	246	-	-
	Belgium	328	-	-	1,975	-	-
	Germany	-	-	-	30	-	-
	France	488	-	-	810	-	-
	Sweden	-	-	3.0	-	-	3.0
Structurals (bar sizes) for							
agricultural implements	United States	117	-	-	226	-	-
Sash or casement sections	United States	235	-	-	1,650	-	-
	United Kingdom	-	-	-	139	-	-
	Belgium	-	-	-	71	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, August, 1954, and Year to Date (Continued)

Commodity	Country of origin	August, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
Bars and sections (concluded) -		(Tons of 2,000 pounds)					
Cold finished, n.o.p.	United States	203	16	10.3	2,796	240	100.9
	United Kingdom	69	-	1.4	774	7	38.5
	Belgium	8	-	-	145	-	-
	Sweden	-	1	-	-	115	-
	France	-	-	-	481	-	-
Cold finished, for agricultural implements	United States	106	-	-	1,164	16	-
Tool steel	United States	9	39	-	31	326	-
	United Kingdom	33	33	-	176	421	-
	Germany	-	-	-	-	10	-
	Austria	-	6	-	-	6	-
Structurals	United States	13,964	-	-	167,821	-	-
	United Kingdom	824	-	-	2,489	-	-
	Belgium	1,679	-	-	9,885	-	-
	France	1,527	-	-	5,678	-	-
	Germany	126	-	-	1,042	-	-
Plates -							
78" and under in width	United States	1,559	75	121.6	20,784	360	455.3
	United Kingdom	306	-	30.0	13,446	-	160.3
	Japan	221	-	-	1,982	-	-
	Belgium	39	-	-	113	-	-
	Germany	-	-	-	183	-	-
Over 78" and under 100" in width ...	United States	631	-	6.3	20,619	15	85.4
	United Kingdom	176	-	-	7,590	-	-
100" in width and over	United States	269	-	31.4	3,036	33	97.4
	United Kingdom	-	-	-	305	-	-
Flanged, dished or curved	United States	73	-	-	612	-	-
Boiler, pulp-mill digesters	United States	217	-	-	2,427	-	-
	United Kingdom	18	-	-	18	-	-
Chequered or surface pattern	United States	779	-	-	6,314	-	-
	United Kingdom	137	-	-	280	-	-
Sheets -							
Silicon .075 or more	United States	-	1,140	-	-	9,364	-
	United Kingdom	-	20	-	-	49	-
Galvanized	United States	1,499	-	-	12,785	-	-
	United Kingdom	133	-	-	1,174	-	-
	Belgium	-	-	-	13	-	-
Hot rolled -							
18 gauge and heavier	United States	3,154	9	42.1	31,124	90	84.7
	United Kingdom	89	-	11.9	1,068	-	153.8
	Sweden	-	-	1.2	-	-	62.9
Lighter than 18 gauge	United States	-	3	-	22	28	10.0
	United Kingdom	-	-	-	-	-	2.1
	Belgium	-	-	-	7	-	-
	Sweden	-	-	-	-	-	.7
Cold rolled -							
18 gauge and heavier	United States	215	-	94.6	5,740	-	722.9
	United Kingdom	23	-	36.9	307	-	588.8
Lighter than 18 gauge	United States	195	-	134.1	7,619	-	987.5
	United Kingdom	42	-	10.3	1,410	-	168.4
	Sweden	-	-	-	-	-	10.2
Corrugated	United States	824	-	-	3,847	-	-
	United Kingdom	2	-	-	15	-	-
Coated with paint, tar, asphaltum, etc.	United States	32	-	-	832	-	-
For saws	United States	-	19	-	-	336	-
	United Kingdom	-	1	-	-	15	-
	Sweden	-	-	-	-	1	-
For hollow ware (vitreous enamel) ..	United States	527	-	-	5,579	-	-
	United Kingdom	-	-	-	571	-	-
Tin mill black plate	United States	30	-	-	36	-	-
For motor vehicles	United States	1,022	-	-	12,428	-	-
For heating apparatus	United States	-	-	-	106	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, August, 1954, and Year to Date (Continued)

		August, 1954			Year to date		
Commodity	Country of origin	Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets (concluded) -							
For tubes	United States	244	-	-	522	-	-
Tin plate - Primes	United Kingdom	5	-	-	2,697	-	-
	United States	146	-	-	146	-	-
Electrolytic 25# coating	United States	-	-	-	181	-	-
	United Kingdom	158	-	-	2,135	-	-
Terne plate - Long	United States	373	-	-	2,498	-	-
Short	United States	64	-	-	1,456	-	-
Strip -							
Hot rolled -							
18 gauge and heavier	United States	320	-	1.6	3,062	46	1.6
	United Kingdom	-	-	-	151	-	-
	France	-	-	-	22	-	-
	Belgium	13	-	-	144	-	-
Lighter than 18 gauge	United States	46	-	-	306	-	-
	United Kingdom	-	-	-	28	-	-
Cold rolled -							
18 gauge and heavier	United States	83	48	14.8	1,017	197	88.0
	United Kingdom	11	-	-	54	-	4.0
Lighter than 18 gauge	United States	263	14	34.6	1,406	164	930.3
	United Kingdom	-	-	-	137	-	24.6
	Sweden	4	-	.5	4	44	3.5
	Belgium	-	-	-	10	-	-
For cold rolling	United States	-	-	-	154	-	-
For saws	United States	-	44	-	-	227	-
	United Kingdom	-	-	-	-	3	-
	Sweden	-	5	-	-	63	-
For tubes	United States	-	-	-	200	-	-
For tubular products	United States	30	-	-	125	-	-
For motor vehicles	United States	358	-	-	9,140	-	-
For hoops	United States	33	-	-	435	-	-
	United Kingdom	34	-	-	228	-	-
	Sweden	-	-	-	5	-	-
For shoe and corset laces, etc.	United States	-	-	-	5	-	-
	United Kingdom	2	-	-	2	-	-
Coated with paint, tar, asphaltum, etc.	United States	422	-	-	4,379	-	-
	United Kingdom	2	-	-	6	-	-
	Germany	-	-	-	14	-	-
Silicon .075 or more	United States	-	333	-	-	3,120	-
	United Kingdom	-	4	-	-	4	-
For butt hinges	United States	95	-	-	555	-	-
Galvanized	United States	200	-	-	2,412	-	-
	United Kingdom	4	-	-	354	-	-
	Belgium	-	-	-	9	-	-
Skelp -							
15-3/8" and under in width	United States	3,412	-	-	31,750	-	-
Over 15-3/8" in width	United States	590	-	-	4,773	-	-
	Belgium	-	-	-	1,109	-	-
Pipes and tubes -							
Cast	United States	47	-	-	632	-	-
	United Kingdom	3,274	-	-	25,191	-	-
	Germany	-	-	-	37	-	-
For bedstead	France	-	-	-	2	-	-
Repair of pressure parts of boilers -							
Hot finished	United States	124	4	55.8	1,519	89	202.2
	United Kingdom	154	-	-	1,278	-	-
	Switzerland	23	-	-	112	-	-
	Germany	-	-	-	25	-	-
Cold drawn	United States	15	-	.3	195	12	4.3
	United Kingdom	99	2	-	359	2	-
	Sweden	-	-	-	11	-	-
Welded	United States	26	-	-	1,231	22	2.2
	United Kingdom	133	-	-	546	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, August, 1954, and Year to Date (Continued)

Commodity	Country of origin	August, 1954			Year, to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes (concluded) -							
Seamless, 12" and under in diameter -							
Cold drawn	United States	490	387	19.7	3,048	2,528	177.8
	United Kingdom	69	2	5.3	906	22	122.3
	Sweden	-	87	3.3	86	319	7.8
Hot finished	United States	795	74	38.6	5,078	242	59.4
	United Kingdom	469	-	-	5,676	13	-
	Germany	-	-	-	94	-	-
	Italy	8	-	-	8	-	-
Seamless, over 12" in diameter -							
Hot finished	United States	316	-	-	6,210	14	-
	United Kingdom	-	-	-	5,044	-	-
Welded, 4" and under in diameter..	United States	769	-	3.9	6,396	-	49.7
	United Kingdom	261	-	-	5,073	-	-
	France	8	-	-	111	-	-
	Germany	22	-	-	411	-	-
	Holland	-	-	-	17	-	-
	Belgium	-	-	-	61	-	-
Welded, over 4" in diameter	United States	13,722	-	.5	104,822	-	16.7
	United Kingdom	5,373	-	-	17,187	-	-
Tubing -							
Not over 1/2" in diameter, welded and coated	United States	12	-	-	197	-	-
Spiral welded	United States	843	-	-	4,375	-	-
Conduit	United States	431	-	-	2,815	-	-
Casings	United States	4,549	-	-	38,384	-	-
	United Kingdom	4,086	-	-	18,657	-	-
	Germany	339	-	-	6,017	-	-
	Italy	335	-	-	2,134	-	-
	Japan	400	-	-	3,551	-	-
Wire rope	United States	101	-	-	504	-	2.0
	United Kingdom	127	-	-	1,194	-	-
	Germany	51	-	-	344	-	-
	Belgium	28	-	-	125	-	-
	Holland	20	-	-	151	-	-
	Norway	-	-	-	4	-	-
	Sweden	-	-	-	2	-	-
Wire - For rope	United States	163	-	.1	1,452	-	2.0
	United Kingdom	951	-	-	6,952	-	1.7
	Norway	30	-	-	70	-	-
For springs, cushions, mattresses, etc.	United States	23	-	-	1,313	-	-
For corset clasps, dress stays, etc.	United States	20	-	-	56	-	-
	United Kingdom	1	-	-	5	-	-
Coated or covered	United States	3	-	-	213	-	-
	United Kingdom	7	-	-	246	-	-
	Belgium	7	-	-	30	-	-
	Germany	-	-	-	136	-	-
All other	United States	251	32	2.2	1,152	164	9.2
	United Kingdom	55	-	.5	380	-	.7
	Belgium	8	-	-	237	-	-
	Germany	-	-	-	16	-	-
	Sweden	-	1	-	-	3	1.7
	France	4	-	-	99	-	-
Wire rods, not over 3/8" in diameter..	United States	30	-	-	622	-	-
	United Kingdom	713	-	-	3,852	-	-
	Germany	1,472	-	-	2,514	-	-
	Belgium	111	-	-	412	-	-
	Sweden	-	-	-	36	-	-
Welding wire and welding rods	United States	260	85	-	764	673	-
	United Kingdom	-	1	-	-	1	-
	Sweden	-	-	-	-	2	-

Table 13 - Imports of Primary Forms of Iron and Steel, August, 1954, and Year to Date: (Concluded)

Commodity	Country of origin	August, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Axles - For railway rolling stock ...	United States	-	-	-	16	-	-
Tires - For railway rolling stock ...	United States	20	-	-	35	-	-
	United Kingdom	74	-	-	989	-	-
Wheels - For railway rolling stock ...	United States	5	-	-	86	-	-
	United Kingdom	543	-	-	8,428	-	-
Rails -							
60 lb. and under	United States	36	-	-	283	-	-
	United Kingdom	1	-	-	1	-	-
	Belgium	142	-	-	572	-	-
	Germany	-	-	-	163	-	-
	France	-	-	-	38	-	-
Over 60 lb. and including 100 lb. ..	United States	53	-	-	1,265	-	-
	United Kingdom	-	-	-	8,422	-	-
Over 100 lb.	United States	10	-	-	1,114	-	-
	Belgium	-	-	-	26	-	-
Track material -							
Fish plates, angle bars, etc.	United States	82	-	-	1,340	-	-
	United Kingdom	-	-	-	2,063	-	-
	Belgium	17	-	-	29	-	-
	France	-	-	-	1	-	-
	Germany	-	-	-	9	-	-
Switch points, etc.	United States	9	-	-	158	-	-
Total imports	United States	58,957	2,633	621.7	585,532	21,230	4269.0
	All other	29,602	184	113.5	218,708	1,487	1482.3
TOTAL*		88,559	2,817	735.2	804,240	22,717	5751.3

* - These totals are not strictly comparable with those of previous years since the categories, "Castings" and "Forgings" have been dropped from this year's totals.

Table 14 - Exports of Primary Iron and Steel, August, 1954, and Year to Date

	August, 1954	Year to date
(Tons of 2,000 pounds)		
Pig iron	22,131	133,434
Ingots, blooms and billets	124	1,917
Bars	188	2,685
Rods	110	125
Plates, sheets and strips	2,076	16,020
Rails	-	1,456
Structural shapes	44	561
Pipe and tubing - Wrought iron	4	119
Cast iron	12	114
Galvanized	-	10
Other	16	487
Castings, iron and steel	675	9,150
Forgings	49	1,960
Total	25,429	168,038

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PRIMARY IRON AND STEEL

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PRIMARY IRON AND STEEL

Pig Iron - Production of pig iron in Canada amounted to 156,373 tons in September, 1954, compared with 243,963 tons in the corresponding month of last year. The total for the current month included 126,102 tons of basic iron, 29,820 tons of malleable iron and 451 tons of foundry iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during September, 1954, totalled 247,358 tons compared with 329,344 tons in September of last year. Output in the month under review included 241,553 tons of ingots and 5,805 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During September, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Pig iron -</u>				
Basic	188,739	5,060	126,102	1,760
Foundry	14,776	16,121	451	10,265
Malleable	40,448	41,884	29,820	34,036
Total pig iron	243,963	63,065	156,373	46,061
<u>Ferro-alloys</u>	10,483	9,373	27,005 ^(x)	24,111 ^(x)

(*) Includes amounts for sale and for own use.

(x) Available on a quarterly basis only, in 1954 - See Table 9 - third quarter figures.

Table 2 - Cumulative Production and Shipments for the Nine Months Ended September, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Pig iron -</u>				
Basic	1,820,856	66,477	1,294,399	12,967
Foundry	117,746	109,673	111,710	95,374
Malleable	333,152	316,154	229,319	222,441
Total pig iron	2,271,754	492,304	1,635,428	330,782
<u>Ferro-alloys</u>	124,516	114,983	80,809 ^(x)	71,713 ^(x)

(*) Includes amounts for sale and for own use.

(x) Available on a quarterly basis only, in 1954 - See Table 9.

Table 3 - Iron Blast Furnace Charges During September and Nine Months Ended September, 1953 and 1954

	S e p t e m b e r		Nine months ended September	
	1 9 5 3	1 9 5 4	1 9 5 3	1 9 5 4
(Net tons of 2,000 pounds)				
Iron ore - Canadian	81,616	44,368	1,011,346	615,265
Imported	345,313	212,503	2,915,270	2,137,445
Mill cinder, scale, sinter, etc. ..	56,817	45,419	535,147	438,597
Limestone	83,523	50,926	794,816	582,988
Dolomite	24,094	18,952	236,518	185,752
Coke	221,600	135,232	2,100,168	1,454,100
Scrap iron and steel	4,545	7,609	73,995	57,149

Table 4 - Description of Iron Blast Furnaces at End of September, 1954

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	7	2,493,610	65.3
Banked	-	-	-
Blown out	9	1,324,390	34.7
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During September, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	281,116	47	208,049	127
Electric	40,216	30	33,504	-
Total steel ingots	321,332	77	241,553	127
Alloy steel ingots included in above	11,692	-	14,132	-
<u>Steel castings</u>				
Open hearth - basic	2,465	2,127	1,333	26
Converter	-	-	8	6
Electric	5,547	4,198	4,464	2,983
Total steel castings	8,012	6,325	5,805	3,015
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	239	212	185	157
(b) High alloy, manganese and abrasion resistant	914	924	1,045	937
(c) All other alloys	832	218	639	203

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Nine Months Ended September, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	2,662,912	45,494	2,004,673	1,189
Electric	371,579	564	283,289	184
Total steel ingots	3,034,491	46,058	2,287,962	1,373
Alloy steel ingots included in above	147,018	264	96,598	79
<u>Steel castings</u>				
Open hearth - basic	22,656	19,309	17,513	13,881
Converter	289	213	74	58
Electric	57,402	44,571	47,008	36,132
Total steel castings	80,347	64,093	64,595	50,071
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	1,303	825	2,499	2,295
(b) High alloy, manganese and abrasion resistant	10,538	9,673	7,526	7,308
(c) All other alloys	8,379	2,093	6,613	1,808

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces, September, 1953 and 1954, and Nine Months Ended September, 1954

	September 1953	September 1954	Nine months ended September, 1954
(Net tons of 2,000 pounds)			
Pig iron	184,897	129,404	1,298,026
Scrap - Own make	100,006	77,750	737,642
Purchased	81,124	58,683	462,179

Table 8 - Steel Furnace Capacity at Thirty-First of December, 1953

	Annual capacity
(Net tons of 2,000 pounds)	
Ingots - Basic open hearth	3,919,200
Electric	738,300
Total ingots	4,657,500
Steel castings	334,275
Total ingots and castings ...	4,991,775

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1953 and 1954

Month	Pig iron	Ferro- alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 5 3</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
Total nine months ..	2,271,754	124,516	3,034,491	80,347	3,114,838
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
December	220,526	8,779	296,345	9,085	305,430
Total	3,012,269	150,595	4,009,813	105,656	4,115,469
<u>1 9 5 4</u>					
January	214,999		290,487	8,413	298,900
February	182,050		258,765	8,146	266,911
March	200,763	26,000 (★)	240,515	8,775	249,290
April	194,307		247,872	7,924	255,796
May	178,742		252,988	7,363	260,351
June	167,211	27,804 (*)	264,470	7,523	271,993
July	174,403		255,328	5,126	260,454
August	166,580		235,984	5,520	241,504
September	156,373	27,005 (x)	241,553	5,805	247,358
Total nine months ..	1,635,428	80,809	2,287,962	64,595	2,352,557

(★) First quarter. (Revised)

(*) Second quarter. (Revised)

(x) Third quarter.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 196,317 net tons in September, 1954, compared with 260,115 tons in September, 1953. The September, 1954, shipments included 3,138 tons of semi-finished shapes, 10,004 tons of structural, 14,806 tons of plates, 10,499 tons of rails, 110 tons of tie plates and track material, 29,045 tons of hot rolled bars, 25,325 tons of pipes and tubes, 24,480 tons of wire rods, 22,200 tons of black sheets, 6,727 tons of galvanized sheets, 5,260 tons of castings, and 44,723 tons of other rolled products. The amount of producers' interchange was 106,964 tons in September, 1954, as against 122,137 tons in September, 1953.

Of the amounts shipped for sale during September, 16,657 tons went direct to railways and railway car shops; 11,587 tons went to pressing, forming and stamping plants; 29,157 tons to merchant trade products; 33,512 tons to building construction; 20,937 tons to the containers industry; 4,641 tons to agricultural equipment; 11,068 tons to the automotive industry; 12,570 tons to machinery plants; 807 tons to shipbuilding; 14,240 tons to mining, lumbering, etc., and 6,012 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 31,774 tons, and exports for 3,355 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 106,964 tons in September, 1954.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes September, 1954

	P r o d u c t i o n		S h i p m e n t s	
	(Including producers' interchange)	For sale	Producers' interchange	
(Tons of 2,000 pounds)				
<u>Carbon steel</u>				
Billets, etc., for forging	5,451	2,552	3,453	
Other semi-finished shapes, not for re-rolling by makers	11,668	134	8,050	
Structural shapes and piling	10,556	10,004	-	
Plates	15,032	14,758	13	
Rails	9,136	10,499	-	
Tie plates and track material: Splice bars	-	12	-	
Tie plates	-	-	-	
Spikes	63	98	-	
Concrete reinforcing bars	19,522	16,756	-	
Hot rolled bars for cold finishing	632	-	639	
Other hot rolled bars	26,811	24,743	70	
Pipes and tubes	25,133	25,325	-	
Wire rods	25,669	24,402	59	
Hot rolled black sheets	62,356	10,205	52,070	
Cold reduced black sheets	16,656	11,995	5,605	
Cold reduced strip	1,589	1,453	72	
Galvanized sheets	6,639	6,727	-	
Steel castings	3,706	3,564	-	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	64,809	25,374	36,784	
Total carbon steel	305,428	188,601	106,815	
<u>Alloy steel</u>				
Billets, etc., for forging	511	452	-	
Other semi-finished shapes, not for re-rolling by makers	126	-	126	
Plates	61	48	-	
Hot rolled bars for cold finishing	-	-	-	
Other hot rolled bars	4,340	4,302	23	
Wire rods	81	78	-	
Steel castings	1,796	1,696	-	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, axles, etc.)	1,209	1,140	-	
Total alloy steel	8,124	7,716	149	

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Nine Months Ended September, 1954

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon steel</u>			
Billets, etc., for forging	47,599	26,212	21,956
Other semi-finished shapes, not for re-rolling by makers	83,830	1,170	83,513
Structural shapes and piling	95,248	98,376	-
Plates	145,245	143,330	31
Rails	204,918	206,221	-
Tie plates and track material: Splice bars	11,563	12,273	-
Tie plates	35,701	35,736	-
Spikes	8,924	9,462	-
Concrete reinforcing bars	120,597	115,191	-
Hot rolled bars for cold finishing	6,882	-	6,863
Other hot rolled bars	284,249	219,222	55,633
Pipes and tubes	164,059	179,351	11
Wire rods	190,078	189,411	701
Hot rolled black sheets	548,674	109,397	445,259
Cold reduced black sheets	172,419	121,361	53,771
Cold reduced strip	13,908	12,337	498
Galvanized sheets	79,077	80,788	14
Steel castings	46,366	46,763	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	557,216	267,598	293,720
Total carbon steel	2,816,553	1,874,199	961,970
<u>Alloy steel</u>			
Billets, etc., for forging	5,306	5,149	-
Other semi-finished shapes, not for re-rolling by makers	1,694	-	1,694
Plates	409	424	-
Hot rolled bars for cold finishing	-	-	-
Other hot rolled bars	38,345	36,802	135
Wire rods	719	764	3
Steel castings	15,883	15,686	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, axles, etc.)	7,748	7,235	-
Total alloy steel	70,104	66,060	1,832

NOTE: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, September, 1954, and Year to Date

	September, 1954		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	7,116	3,952	66,783	35,027
Agricultural, including farm machinery ..	4,462	179	51,569	1,264
Building construction	33,489	23	262,452	378
Containers industry	20,932	5	228,631	171
Machinery and tools	11,657	913	105,300	6,655
Merchant trade products	28,956	201	240,902	2,044
Mining, lumbering, etc.	13,423	817	100,202	7,337
National defence	2,637	414	24,399	4,031
Pressing, forming and stamping	11,500	87	112,122	718
Public works and utilities	1,359	72	15,048	398
Railway operating	11,670	78	281,279	861
Railway cars and locomotives	4,832	77	93,018	1,425
Shipbuilding	790	17	10,812	346
Miscellaneous and unclassified	1,350	180	10,462	1,260
Wholesalers and warehouses	31,599	175	253,382	907
Direct export (a) to British Empire	682	66	3,552	436
(b) to other countries	2,147	460	14,286	2,802
Total shipped for sale	188,601	7,716	1,874,199	66,060
Producers' interchange	106,815	149	961,970	1,832

Table 13 - Imports of Primary Forms of Iron and Steel, September, 1954, and Year to Date

Commodity	Country of origin	September, 1954			Year to date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	-	-	-	171	-	-
	United Kingdom	-	-	-	2,810	-	-
	South Africa	-	-	-	171	-	-
Malleable	United States	-	-	-	510	-	-
Silvery	United States	180	-	-	2,123	-	-
Foundry	United States	117	-	-	731	-	-
	United Kingdom	-	-	-	112	-	-
	Spain	-	-	-	5,462	-	-
	Australia	-	-	-	335	-	-
Ingots	United States	31	101	-	532	746	-
Billets, blooms, slabs and sheet bars.	United States	389	11	11.8	1,238	236	53.8
	United Kingdom	-	-	-	11	67	-
	Belgium	-	-	-	1,000	-	-
Tube rounds and tube billets	United States	187	-	-	1,051	-	-
Bars and sections -							
Hot rolled, n.o.p.	United States	1,602	84	8.5	18,093	2,087	109.3
	United Kingdom	173	36	17.4	1,589	276	142.8
	Belgium	1,821	-	-	14,100	-	-
	Austria	-	-	-	-	60	-
	France	1,002	-	-	5,386	-	-
	Germany	20	-	-	723	-	-
Hot rolled -							
For agricultural implements	United States	92	-	-	1,683	23	-
Rounds over 4½", squares over 4" ..	United States	25	19	-	878	47	.6
	United Kingdom	9	4	-	362	24	1.8
Angles, channels, etc.	United States	315	-	1.9	4,065	-	38.1
	United Kingdom	75	-	-	321	-	-
	Belgium	255	-	-	2,230	-	-
	Germany	-	-	-	30	-	-
	France	-	-	-	810	-	-
	Sweden	-	-	-	-	-	3.0
Structurals (bar sizes) for							
agricultural implements	United States	5	-	-	231	-	-
Sash or casement sections	United States	197	-	-	1,847	-	-
	United Kingdom	-	-	-	139	-	-
	Belgium	-	-	-	71	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, September, 1954, and Year to Date (Continued)

Commodity	Country of origin	September, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
Bars and sections (concluded) -		(Tons of 2,000 pounds)					
Cold finished, n.o.p.	United States	252	36	12.5	3,048	276	113.4
	United Kingdom	72	-	-	846	7	38.5
	Belgium	61	-	-	206	-	-
	Sweden	-	-	-	-	115	-
	France	-	-	-	481	-	-
Cold finished, for agricultural implements	United States	28	-	-	1,192	16	-
Tool steel	United States	1	33	-	32	359	-
	United Kingdom	37	13	-	213	434	-
	Germany	-	-	-	-	10	-
	Austria	-	7	-	-	13	-
Structurals	United States	14,367	-	-	182,188	-	-
	United Kingdom	1,019	-	-	3,508	-	-
	Belgium	1,080	-	-	10,965	-	-
	France	1,535	-	-	7,213	-	-
	Germany	22	-	-	1,064	-	-
Plates -							
78" and under in width	United States	1,470	80	60.8	22,254	440	516.1
	United Kingdom	294	-	26.2	13,740	-	186.5
	Japan	235	-	-	2,217	-	-
	Belgium	-	-	-	113	-	-
	Germany	-	-	-	183	-	-
Over 78" and under 100" in width	United States	1,080	-	6.2	21,699	15	91.6
	United Kingdom	152	-	-	7,742	-	-
	France	6	-	-	6	-	-
100" in width and over	United States	971	-	58.8	4,007	33	156.2
	United Kingdom	-	-	-	305	-	-
	France	22	-	-	22	-	-
Flanged, dished or curved	United States	133	-	-	745	-	-
Boiler, pulp-mill digesters	United States	319	-	-	2,746	-	-
	United Kingdom	-	-	-	18	-	-
Chequered or surfact pattern	United States	723	-	-	7,037	-	-
	United Kingdom	31	-	-	311	-	-
Sheets -							
Silicon .075 or more	United States	-	1,012	-	-	10,376	-
	United Kingdom	-	11	-	-	60	-
Galvanized	United States	1,091	-	-	13,876	-	-
	United Kingdom	21	-	-	1,195	-	-
	Belgium	-	-	-	13	-	-
Hot rolled -							
18 gauge and heavier	United States	3,665	7	.2	34,789	97	84.9
	United Kingdom	51	1	102.6	1,119	-	256.4
	Sweden	-	-	4.9	-	-	67.8
Lighter than 18 gauge	United States	-	8	-	22	36	10.0
	United Kingdom	-	-	4.4	-	-	6.5
	Belgium	-	-	-	7	-	-
	Sweden	-	-	-	-	-	.7
Cold rolled -							
18 gauge and heavier	United States	469	-	81.9	6,209	-	804.8
	United Kingdom	-	-	9.8	307	-	598.6
	Sweden	1	-	-	1	-	-
Lighter than 18 gauge	United States	375	-	83.5	7,994	-	1071.0
	United Kingdom	27	-	16.2	1,437	-	184.6
	Sweden	-	-	-	-	-	10.2
Corrugated	United States	750	-	-	4,597	-	-
	United Kingdom	-	-	-	15	-	-
Coated with paint, tar, asphaltum, etc..	United States	52	-	-	884	-	-
For saws	United States	-	30	-	-	366	-
	United Kingdom	-	-	-	-	15	-
	Sweden	-	-	-	-	1	-
For hollow ware (vitreous enamel) ...	United States	753	-	-	6,332	-	-
	United Kingdom	8	-	-	579	-	-
Tin mill black plate	United States	-	-	-	36	-	-
For motor vehicles	United States	1,710	-	-	14,138	-	-
For heating apparatus	United States	-	-	-	106	-	-
For tubes	United States	-	-	-	522	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, September, 1954, and Year to Date (Continued)

Commodity	Country of origin	September, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
Sheets (concluded) -		(Tons of 2,000 pounds)					
Tin plate - Primes	United Kingdom	15	-	-	2,712	-	-
	United States	75	-	-	221	-	-
Electrolytic 25# coating.	United States	-	-	-	181	-	-
	United Kingdom	-	-	-	2,135	-	-
Terne plate - Long	United States	279	-	-	2,777	-	-
Short	United States	57	-	-	1,513	-	-
Strip -							
Hot rolled -							
18 gauge and heavier	United States	436	5	-	3,498	51	1.6
	United Kingdom	-	-	-	151	-	-
	France	-	-	-	22	-	-
	Belgium	40	-	-	184	-	-
Lighter than 18 gauge	United States	17	-	-	323	-	-
	United Kingdom	-	-	-	28	-	-
Cold rolled -							
18 gauge and heavier	United States	83	27	17.3	1,100	224	105.3
	United Kingdom	13	-	-	67	-	4.0
Lighter than 18 gauge	United States	187	16	102.3	1,593	180	1032.6
	United Kingdom	151	-	-	288	-	24.6
	Sweden	-	3	-	4	47	3.5
	Belgium	-	-	-	10	-	-
For cold rolling	United States	35	-	-	189	-	-
For saws	United States	1	86	-	1	313	-
	United Kingdom	-	-	-	-	3	-
	Sweden	-	20	-	-	83	-
For tubes	United States	-	-	-	200	-	-
For tubular products	United States	-	-	-	125	-	-
For motor vehicles	United States	699	-	-	9,839	-	-
For hoops	United States	39	-	-	474	-	-
	United Kingdom	-	-	-	228	-	-
	Sweden	-	-	-	5	-	-
For shoe and corset laces, etc.	United States	-	-	-	5	-	-
	United Kingdom	-	-	-	2	-	-
Coated with paint,tar,asphaltum,etc..	United States	413	-	-	4,792	-	-
	United Kingdom	1	-	-	7	-	-
	Germany	-	-	-	14	-	-
Silicon .075 or more	United States	-	765	-	-	3,885	-
	United Kingdom	-	-	-	-	4	-
For butt hinges	United States	18	-	-	573	-	-
Galvanized	United States	426	-	-	2,838	-	-
	United Kingdom	57	-	-	411	-	-
	Belgium	-	-	-	9	-	-
Skelp -							
15-3/8" and under in width	United States	5,316	-	-	37,066	-	-
	Belgium	1,304	-	-	1,304	-	-
Over 15-3/8" in width	United States	637	-	-	5,410	-	-
	Belgium	-	-	-	1,109	-	-
Pipes and tubes -							
Cast	United States	47	-	-	679	-	-
	United Kingdom	1,998	-	-	27,189	-	-
	Germany	-	-	-	37	-	-
For bedstead	France	-	-	-	2	-	-
Repair of pressure parts of boilers -							
Hot finished	United States	128	-	37.8	1,647	89	240.0
	United Kingdom	147	-	-	1,425	-	-
	Switzerland	-	-	-	112	-	-
	Germany	-	-	-	25	-	-
Cold drawn	United States	1	-	7.9	196	12	12.2
	United Kingdom	97	-	-	456	2	-
	Sweden	-	-	-	11	-	-
Welded	United States	48	-	-	1,279	22	2.2
	United Kingdom	82	-	-	628	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, September, 1954, and Year to Date (Continued)

Commodity	Country of origin	September, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes (concluded) -							
Seamless, 12" and under in diameter -							
Cold drawn	United States	622	115	22.1	3,670	2,643	199.9
	United Kingdom	77	1	6.5	983	23	128.8
	Sweden	-	53	.4	86	372	8.2
Hot finished	United States	595	26	29.2	5,673	268	88.6
	United Kingdom	58	-	-	5,734	13	-
	Germany	-	-	-	94	-	-
	Italy	-	-	-	8	-	-
Seamless, over 12" in diameter -							
Hot finished	United States	49	-	-	6,259	14	-
	United Kingdom	-	-	-	5,044	-	-
Welded, 4" and under in diameter ..	United States	724	-	4.5	7,120	-	54.2
	United Kingdom	186	-	-	5,259	-	-
	France	7	-	-	118	-	-
	Germany	49	-	-	460	-	-
	Holland	-	-	-	17	-	-
	Belgium	-	-	-	61	-	-
Welded, over 4" in diameter	United States	466	-	.1	105,288	-	54.2
	United Kingdom	230	-	-	17,417	-	-
Tubing -							
Not over 1/2" in diameter, welded and coated	United States	12	-	-	209	-	-
Spiral welded	United States	92	-	-	4,467	-	-
Conduit	United States	285	-	-	3,100	-	-
Casings	United States	3,913	-	-	42,297	-	-
	United Kingdom	1,821	-	-	20,478	-	-
	Germany	516	-	-	6,533	-	-
	Italy	1,908	-	-	4,042	-	-
	Japan	-	-	-	3,551	-	-
	France	170	-	-	170	-	-
Wire rope	United States	15	-	-	519	-	2.0
	United Kingdom	119	-	-	1,313	-	-
	Germany	32	-	-	376	-	-
	Belgium	4	-	-	129	-	-
	Holland	27	-	-	178	-	-
	Norway	-	-	-	4	-	-
	Sweden	-	-	-	2	-	-
	Netherlands	4	-	-	4	-	-
Wire - For rope	United States	192	-	-	1,644	-	2.0
	United Kingdom	472	-	-	7,424	-	1.7
	Norway	-	-	-	70	-	-
For springs, cushions, mattresses, etc.	United States	150	-	-	1,463	-	-
For corset clasps, dress stays, etc.	United States	2	-	-	58	-	-
	United Kingdom	-	-	-	5	-	-
Coated or covered	United States	164	-	-	377	-	-
	United Kingdom	6	-	-	252	-	-
	Belgium	-	-	-	30	-	-
	Germany	-	-	-	136	-	-
	Norway	6	-	-	6	-	-
All other	United States	138	25	3.9	1,290	189	13.1
	United Kingdom	43	-	-	423	-	.7
	Belgium	10	-	-	247	-	-
	Germany	-	-	-	16	-	-
	Sweden	-	-	3.5	-	3	5.2
	France	-	-	-	99	-	-
Wire rods, not over 3/8" in diameter ..	United States	-	-	-	622	-	-
	United Kingdom	-	-	-	3,852	-	-
	Germany	253	-	-	2,767	-	-
	Belgium	523	-	-	935	-	-
	Sweden	-	-	-	36	-	-
Welding wire and welding rods	United States	1	62	-	765	735	-
	United Kingdom	-	-	-	-	1	-
	Sweden	-	7	-	-	9	-

Table 13 - Imports of Primary Forms of Iron and Steel, September, 1954, and Year to Date (Concluded)

Commodity	Country of origin	September, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Axles - For railway rolling stock	United States	-	-	-	16	-	-
Tires - For railway rolling stock	United States	4	-	-	39	-	-
	United Kingdom	181	-	-	1,170	-	-
Wheels - For railway rolling stock	United States	-	-	-	86	-	-
	United Kingdom	1,979	-	-	10,407	-	-
Rails -							
60 lb. and under	United States	8	-	-	291	-	-
	United Kingdom	-	-	-	1	-	-
	Belgium	-	-	-	572	-	-
	Germany	-	-	-	163	-	-
	France	-	-	-	38	-	-
Over 60 lb. and including 100 lb. ...	United States	25	-	-	1,290	-	-
	United Kingdom	-	-	-	8,422	-	-
Over 100 lb.	United States	26	-	-	1,140	-	-
	Belgium	-	-	-	26	-	-
Track material -							
Fish plates, angle bars, etc.	United States	29	-	-	1,369	-	-
	United Kingdom	-	-	-	2,063	-	-
	Belgium	-	-	-	29	-	-
	France	-	-	-	1	-	-
	Germany	-	-	-	9	-	-
Switch points, etc.	United States	2	-	-	160	-	-
Total imports	United States	47,805	2,548	551.2	633,337	23,778	4820.2
	All other	20,615	155	191.9	239,323	1,642	1674.2
TOTAL*		68,420	2,703	743.1	872,660	25,420	6494.4

* - These totals are not strictly comparable with those of previous years since the categories, "Castings" and "Forgings" have been dropped from this year's totals.

Table 14 - Exports of Primary Iron and Steel, September, 1954, and Year to Date

	September, 1954	Year to date
(Tons of 2,000 pounds)		
Pig iron	29,142	162,576
Ingots, blooms and billets	185	2,102
Bars	448	3,133
Rods	67	192
Plates, sheets and strips	2,418	18,438
Rails	-	1,456
Structural shapes	16	577
Pipe and tubing - Wrought iron	5	124
Cast iron	-	114
Galvanized	31	41
Other	183	670
Castings, iron and steel	761	9,911
Forgings	80	2,040
Total	33,336	201,374

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PRIMARY IRON AND STEEL

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PRIMARY IRON AND STEEL

Pig Iron - Production of pig iron in Canada amounted to 181,895 tons in October, 1954, compared with 265,346 tons in the corresponding month of last year. The total for the current month included 148,398 tons of basic iron, 18,561 tons of malleable iron and 14,936 tons of foundry iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during October, 1954, totalled 279,320 tons compared with 362,498 tons in October of last year. Output in the month under review included 274,421 tons of ingots and 4,899 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During October, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made *	Tonnage shipped	Tonnage made *	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Pig iron</u> -				
Basic	217,378	14,632	148,398	4,334
Foundry	16,133	16,203	14,936	18,431
Malleable	31,835	33,169	18,561	23,772
Total pig iron	265,346	64,004	181,895	46,537
<u>Ferro-alloys</u>	8,522	10,766	(x)	(x)

(x) Available on a quarterly basis only, in 1954 - see Table 9.

* Includes amounts for sale and for own use.

Table 2 - Cumulative Production and Shipments for the Ten Months Ended October, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made *	Tonnage shipped	Tonnage made *	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Pig iron</u> -				
Basic	2,038,234	81,109	1,442,797	17,201
Foundry	133,879	125,876	126,646	113,805
Malleable	364,987	349,323	247,880	246,213
Total pig iron	2,537,100	556,308	1,817,323	377,319
<u>Ferro-alloys</u>	133,038	125,749	(x)	(x)

(x) Available on a quarterly basis only, in 1954 - see Table 9.

* Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During October and Ten Months Ended October, 1953 and 1954

	October		Ten months ended October	
	1 9 5 3	1 9 5 4	1 9 5 3	1 9 5 4
(Net tons of 2,000 pounds)				
Iron ore - Canadian	95,416	43,481	1,106,762	658,746
Imported	364,150	269,968	3,279,420	2,407,413
Mill cinder, scale, sinter, etc. ...	64,707	44,622	599,854	483,219
Limestone	92,781	60,274	887,597	643,262
Dolomite	25,584	23,862	262,102	209,614
Coke	243,205	161,924	2,343,373	1,616,024
Scrap iron and steel	6,112	8,210	80,107	65,359

Table 4 - Description of Iron Blast Furnaces at End of October, 1954

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	8	2,617,600	68.6
Banked	-	-	-
Blown out	8	1,200,400	31.4
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During October, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made*	Tonnage shipped	Tonnage made*	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	314,038	114	238,721	118
Electric	40,442	15	35,700	-
Total steel ingots	354,480	129	274,421	118
Alloy steel ingots included in above	16,780	48	11,565	-
<u>Steel castings</u>				
Open hearth - basic	2,490	2,172	1,415	1,226
Converter	-	-	9	12
Electric	5,528	4,177	3,475	2,695
Total steel castings	8,018	6,349	4,899	3,933
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	173	143	173	163
(b) High alloy, manganese and abrasion resistant	929	966	845	814
(c) All other alloys	760	257	249	166

* - Includes amounts for sale and for own use.

NOTE: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Ten Months Ended October, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made*	Tonnage shipped	Tonnage made*	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	2,976,950	45,608	2,243,394	1,307
Electric	412,021	579	318,989	184
Total steel ingots	3,388,971	46,187	2,562,383	1,491
Alloy steel ingots included in above	163,798	312	108,163	79
<u>Steel castings</u>				
Open hearth - basic	25,146	21,481	18,928	15,107
Converter	289	213	83	70
Electric	62,930	48,748	50,483	38,827
Total steel castings	88,365	70,442	69,494	54,004
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	1,476	905	2,672	2,458
(b) High alloy, manganese and abrasion resistant	11,467	10,639	8,371	8,122
(c) All other alloys	9,139	2,350	6,862	1,974

* - Includes amounts for sale and for own use.

NOTE: High alloy castings include all castings with any alloy content of eight per cent and over.

Primary Iron and Steel

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Table 7 - Pig Iron and Scrap Charged to Steel Furnaces, October, 1953 and 1954, and Ten Months Ended October, 1954

	October 1953	October 1954	Ten months ended October, 1954
	(Net tons of 2,000 pounds)		
Pig iron	207,319	151,910	1,449,936
Scrap - Own make	108,411	81,047	818,689
Purchased	84,945	62,219	524,398

Table 8 - Steel Furnace Capacity at Thirty-First of December, 1953

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,919,200
Electric	738,300
Total ingots	4,657,500
Steel castings	334,275
Total ingots and castings	4,991,775

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1953 and 1954

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
<u>1 9 5 3</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
December	220,526	8,779	296,345	9,085	305,430
Total	3,012,269	150,595	4,009,813	105,656	4,115,469
<u>1 9 5 4</u>					
January	214,999		290,487	8,413	298,900
February	182,050		258,765	8,146	266,911
March	200,763	26,000 (x)	240,515	8,775	249,290
April	194,307		247,872	7,924	255,796
May	178,742		252,988	7,363	260,351
June	167,211	27,804 (*)	264,470	7,523	271,993
July	174,403		255,328	5,126	260,454
August	166,580		235,984	5,520	241,504
September	156,373	27,005 (+)	241,553	5,805	247,358
October	181,895		274,421	4,899	279,320
Total ten months	1,817,323		2,562,383	69,494	2,631,877

(x) First quarter.

(*) Second quarter.

(+) Third quarter.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 211,310 net tons in October, 1954, compared with 291,387 tons in October, 1953. The October, 1954, shipments included 2,700 tons of semi-finished shapes, 15,169 tons of structurals, 17,487 tons of plates, 17,826 tons of rails, 529 tons of tie plates and track material, 31,992 tons of hot rolled bars, 21,456 tons of pipes and tubes, 30,221 tons of wire rods, 27,601 tons of black sheets, 8,316 tons of galvanized sheets, 4,377 tons of castings, and 33,636 tons of other rolled products. The amount of producers' interchange was 103,817 tons in October, 1954, as against 117,978 tons in October, 1953.

Of the amounts shipped for sale during October, 27,003 tons went direct to railways and railway car shops; 15,145 tons went to pressing, forming and stamping plants; 37,906 tons to merchant trade products; 30,608 tons to building construction; 13,682 tons to the containers industry; 4,759 tons to agricultural equipment; 12,208 tons to the automotive industry; 13,442 tons to machinery plants; 807 tons to shipbuilding; 8,827 tons to mining, lumbering, etc.; and 5,434 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 37,245 tons, and exports for 4,244 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 103,817 tons in October, 1954.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, October, 1954

	P r o d u c t i o n		S h i p m e n t s	
	(Including producers' interchange)	For sale	Producers' interchange	
(Tons of 2,000 pounds)				
<u>Carbon steel</u>				
Billets, etc., for forging	3,449	2,181	1,256	
Other semi-finished shapes, not for re-rolling by makers	3,546	16	8,939	
Structural shapes and piling	14,454	15,169	-	
Plates	17,571	17,464	-	
Rails	16,794	17,826	-	
Tie plates and track material: Splice bars	-	19	-	
Tie plates	398	404	-	
Spikes	89	106	-	
Concrete reinforcing bars	12,851	12,257	-	
Hot rolled bars for cold finishing	1,049	-	1,054	
Other hot rolled bars	27,464	27,058	87	
Pipes and tubes	20,653	21,456	-	
Wire rods	30,037	30,163	101	
Hot rolled black sheets	64,825	12,221	52,262	
Cold reduced black sheets	24,179	15,380	6,026	
Cold reduced strip	1,805	1,600	103	
Galvanized sheets	7,731	8,316	-	
Steel castings	3,324	3,220	-	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	56,210	18,772	33,676	
Total carbon steel	306,429	203,628	103,504	
<u>Alloy steel</u>				
Billets, etc., for forging	409	503	-	
Other semi-finished shapes, not for re-rolling by makers	301	-	301	
Plates	5	23	-	
Hot rolled bars for cold finishing	-	-	-	
Other hot rolled bars	5,265	4,934	12	
Wire rods	83	58	-	
Steel castings	1,182	1,157	-	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, axles, etc.)	1,120	1,007	-	
Total alloy steel	8,365	7,682	313	

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Ten Months Ended October, 1954

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	P r o d u c t i o n	S h i p m e n t s	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon steel</u>			
Billets, etc., for forging	51,048	28,393	23,212
Other semi-finished shapes, not for re-rolling by makers	87,376	1,186	92,452
Structural shapes and piling	109,702	113,545	-
Plates	162,816	160,794	31
Rails	221,712	224,047	-
Tie plates and track material: Splice bars	11,563	12,292	-
Tie plates	36,099	36,140	-
Spikes	9,013	9,568	-
Concrete reinforcing bars	133,448	127,448	-
Hot rolled bars for cold finishing	7,931	-	7,917
Other hot rolled bars	311,713	246,280	55,720
Pipes and tubes	184,712	200,807	11
Wire rods	220,115	219,574	802
Hot rolled black sheets	613,499	121,618	497,521
Cold reduced black sheets	196,598	136,741	59,797
Cold reduced strip	15,713	13,937	601
Galvanized sheets	86,808	89,104	14
Steel castings	49,690	49,983	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	613,426	286,370	327,396
Total carbon steel	3,122,982	2,077,827	1,065,474

Alloy steel

Billets, etc., for forging	5,715	5,652		-
Other semi-finished shapes, not for re-rolling by makers	1,995	-		1,995
Plates	414	447		-
Hot rolled bars for cold finishing	-	-		-
Other hot rolled bars	43,610	41,736		147
Wire rods	802	822		3
Steel castings	17,065	16,843		-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, axles, etc.)	8,868	8,242		-
Total alloy steel	78,469	73,742		2,145

NOTE: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, October, 1954, and Year to Date

	October, 1954		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	7,978	4,230	74,761	39,257
Agricultural, including farm machinery ..	4,710	49	56,279	1,313
Building construction	30,507	101	292,959	479
Containers industry	13,676	6	242,307	177
Machinery and tools	12,752	690	118,052	7,345
Merchant trade products	37,734	172	278,636	2,216
Mining, lumbering, etc.	8,081	746	108,283	8,083
National defence	2,164	278	26,563	4,309
Pressing, forming and stamping	15,060	85	127,182	803
Public works and utilities	1,535	60	16,583	458
Railway operating	19,774	55	301,053	916
Railway cars and locomotives	6,596	578	99,614	2,003
Shipbuilding	754	53	11,566	399
Miscellaneous and unclassified	1,231	166	11,693	1,426
Wholesalers and warehouses	37,152	93	290,534	1,000
Direct export (a) to British Empire	428	54	3,980	490
(b) to other countries	3,496	266	17,782	3,068
Total shipped for sale	203,628	7,682	2,077,827	73,742
Producers' interchange	103,504	313	1,065,474	2,145

Table 13 - Imports of Primary Forms of Iron and Steel, October, 1954, and Year to Date

Commodity	Country of origin	October, 1954			Year to date		
		Carbon	Alloy	Stain-less	Carbon	Alloy	Stain-less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	-	-	-	171	-	-
	United Kingdom	-	-	-	2,810	-	-
	South Africa	-	-	-	171	-	-
Malleable	United States	-	-	-	510	-	-
Silvery	United States	58	-	-	2,181	-	-
Foundry	United States	286	-	-	1,017	-	-
	United Kingdom	-	-	-	112	-	-
	Spain	-	-	-	5,462	-	-
	Australia	-	-	-	335	-	-
Ingots	United States	-	108	-	532	854	-
Billets, blooms, slabs and sheet bars.	United States	132	33	10.9	1,370	269	64.7
	United Kingdom	-	9	-	11	76	-
	Belgium	-	-	-	1,000	-	-
Tube rounds and tube billets	United States	-	-	-	1,051	-	-
Bars and sections -							
Hot rolled, n.o.p.	United States	1,682	181	19.4	19,775	2,268	128.7
	United Kingdom	517	61	27.6	2,106	337	170.4
	Belgium	815	-	-	14,915	-	-
	Austria	-	-	-	-	60	-
	France	485	-	-	5,871	-	-
	Germany	-	-	-	723	-	-
Hot rolled -							
For agricultural implements	United States	304	-	-	1,987	23	-
Rounds over 4½", squares over 4" ..	United States	63	3	-	941	50	.6
	United Kingdom	73	4	-	435	28	1.8
Angles, channels, etc.	United States	194	-	3.3	4,259	-	41.4
	United Kingdom	7	-	-	328	-	-
	Belgium	429	-	-	2,659	-	-
	Germany	-	-	-	30	-	-
	France	153	-	-	963	-	-
	Sweden	-	-	-	-	-	3.0
Structurals (bar sizes) for							
agricultural implements	United States	10	-	-	241	-	-
Sash or casement sections	United States	234	-	-	2,081	-	-
	United Kingdom	17	-	-	156	-	-
	Belgium	11	-	-	82	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, October, 1954, and Year to Date (Continued)

Commodity	Country of origin	October, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections (concluded) -							
Cold finished, n.o.p.	United States	338	9	11.7	3,386	285	125.1
	United Kingdom	141	-	1.9	987	7	40.4
	Belgium	19	-	-	225	-	-
	Sweden	-	-	-	-	115	-
	France	-	-	-	481	-	-
Cold finished, for agricultural implements	United States	119	-	-	1,311	16	-
Tool steel	United States	2	32	-	34	391	-
	United Kingdom	6	28	-	219	462	-
	Germany	-	-	-	-	10	-
	Austria	-	-	-	-	13	-
Structurals	United States	16,772	-	-	198,960	-	-
	United Kingdom	1,825	-	-	5,333	-	-
	Belgium	1,674	-	-	12,639	-	-
	France	1,575	-	-	8,788	-	-
	Germany	114	-	-	1,178	-	-
Plates -							
78" and under in width	United States	1,894	22	17.5	24,148	462	533.6
	United Kingdom	1,288	-	15.6	15,028	-	202.1
	Germany	-	-	-	183	-	-
	Japan	149	-	-	2,366	-	-
	Belgium	50	-	-	163	-	-
Over 78" and under 100" in width	United States	1,071	19	14.6	22,770	34	106.2
	United Kingdom	370	-	-	8,112	-	-
	France	-	-	-	6	-	-
100" in width and over	United States	1,293	-	.8	5,300	33	157.0
	United Kingdom	107	-	-	412	-	-
	France	-	-	-	22	-	-
Flanged, dished or curved	United States	101	-	-	846	-	-
Boiler, pulp-mill digesters	United States	344	-	-	3,090	-	-
	United Kingdom	-	-	-	18	-	-
Chequered or surface pattern	United States	1,160	-	-	8,197	-	-
	United Kingdom	20	-	-	331	-	-
Sheets -							
Silicon .075 or more	United States	-	676	-	-	11,052	-
	United Kingdom	-	141	-	-	201	-
Galvanized	United States	1,353	-	-	15,229	-	-
	United Kingdom	113	-	-	1,308	-	-
	Belgium	-	-	-	13	-	-
Hot rolled -							
18 gauge and heavier	United States	3,348	10	10.0	38,137	107	94.9
	United Kingdom	21	-	113.9	1,140	-	370.3
	Sweden	-	-	-	-	-	67.8
Lighter than 18 gauge	United States	1	2	.3	23	38	10.3
	United Kingdom	-	-	10.2	-	-	16.7
	Belgium	-	-	-	7	-	-
	Sweden	-	-	-	-	-	.7
Cold rolled -							
18 gauge and heavier	United States	287	-	74.7	6,496	-	879.5
	United Kingdom	-	-	9.1	307	-	607.7
	Sweden	-	-	-	1	-	-
Lighter than 18 gauge	United States	500	-	46.9	8,494	-	1117.9
	United Kingdom	206	-	9.6	1,643	-	194.2
	Sweden	-	-	-	-	-	10.2
Corrugated	United States	209	-	-	4,806	-	-
	United Kingdom	-	-	-	15	-	-
Coated with paint, tar, asphaltum, etc..	United States	18	-	-	902	-	-
For saws	United States	-	67	-	-	433	-
	United Kingdom	-	-	-	-	15	-
	Sweden	-	-	-	-	1	-
For hollow ware (vitreous enamel) ...	United States	634	-	-	6,966	-	-
	United Kingdom	-	-	-	579	-	-
Tin mill black plate	United States	-	-	-	36	-	-
For motor vehicles	United States	1,730	-	-	15,868	-	-
For heating apparatus	United States	-	-	-	106	-	-
For tubes	United States	-	-	-	522	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, October, 1954, and Year to Date (Continued)

Commodity	Country of origin	October, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
Sheets (concluded) -		(Tons of 2,000 pounds)					
Tin plate - Primes	United Kingdom	22	-	-	2,734	-	-
	United States	-	-	-	221	-	-
Electrolytic 25# coating..	United States	93	-	-	274	-	-
	United Kingdom	-	-	-	2,135	-	-
Terne plate - Long	United States	202	-	-	2,979	-	-
Short	United States	150	-	-	1,663	-	-
Strip -							
Hot rolled -							
18 gauge and heavier	United States	203	-	-	3,701	51	1.6
	United Kingdom	-	-	-	151	-	-
	Belgium	-	-	-	184	-	-
	France	-	-	-	22	-	-
Lighter than 18 gauge	United States	10	-	-	333	-	-
	United Kingdom	-	-	-	28	-	-
Cold rolled -							
18 gauge and heavier	United States	44	40	20.3	1,144	264	125.6
	United Kingdom	7	-	-	74	-	4.0
Lighter than 18 gauge	United States	190	39	68.0	1,783	219	1100.6
	United Kingdom	7	-	-	295	-	24.6
	Sweden	-	53	.3	4	100	3.8
	Belgium	-	-	-	10	-	-
For cold rolling	United States	-	-	-	189	-	-
For saws	United States	-	12	-	1	325	-
	United Kingdom	-	-	-	-	3	-
	Sweden	-	10	-	-	93	-
For tubes	United States	-	-	-	200	-	-
For tubular products	United States	58	-	-	183	-	-
For motor vehicles	United States	701	-	-	10,540	-	-
For hoops	United States	-	-	-	474	-	-
	United Kingdom	23	-	-	251	-	-
	Sweden	-	-	-	5	-	-
For shoe and corset laces, etc.	United States	-	-	-	5	-	-
	United Kingdom	-	-	-	2	-	-
Coated with paint, tar, asphaltum, etc...	United States	440	-	-	5,232	-	-
	United Kingdom	6	-	-	13	-	-
	Germany	7	-	-	21	-	-
Silicon .075 or more	United States	-	386	-	-	4,271	-
	United Kingdom	-	-	-	-	4	-
For butt hinges	United States	37	-	-	610	-	-
Galvanized	United States	291	-	-	3,129	-	-
	United Kingdom	118	-	-	529	-	-
	Belgium	-	-	-	9	-	-
Skelp -							
15 ³ / ₈ " and under in width	United States	4,321	-	-	41,387	-	-
	Belgium	2,642	-	-	3,946	-	-
Over 15 ³ / ₈ " in width	United States	490	-	-	5,900	-	-
	Belgium	-	-	-	1,109	-	-
Pipes and tubes -							
Cast							
	United States	37	-	-	716	-	-
	United Kingdom	1,276	-	-	28,465	-	-
	Germany	-	-	-	37	-	-
For bedstead	France	-	-	-	2	-	-
Repair of pressure parts of boilers -							
Hot finished	United States	230	24	21.8	1,877	113	261.8
	United Kingdom	402	-	-	1,827	-	-
	Switzerland	-	-	-	112	-	-
	Germany	-	-	-	25	-	-
Cold drawn	United States	26	-	-	222	12	12.2
	United Kingdom	18	-	-	474	2	-
	Sweden	-	-	-	11	-	-
Welded	United States	95	-	-	1,374	22	2.2
	United Kingdom	62	-	-	690	-	-
Seamless, 12" and under in diameter -							
Cold drawn	United States	379	231	22.2	4,049	2,874	222.1
	United Kingdom	70	4	15.6	1,053	27	144.4
	Sweden	-	55	1.7	86	427	9.9

Table 13 - Imports of Primary Forms of Iron and Steel, October, 1954, and Year to Date (Continued)

Commodity	Country of origin	October, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes (concluded) -							
Seamless, 12" and under in diameter (concluded) -							
Hot finished	United States	685	9	45.7	6,358	277	134.3
	United Kingdom	21	-	-	5,755	13	-
	Germany	7	-	-	101	-	-
	Italy	11	-	-	19	-	-
Seamless, over 12" in diameter -							
Hot finished	United States	81	-	-	6,340	14	-
	United Kingdom	-	3	-	5,044	3	-
Welded, 4" and under in diameter ..	United States	575	-	3.2	7,695	-	57.4
	United Kingdom	513	-	-	5,772	-	-
	France	26	-	-	144	-	-
	Germany	84	-	-	544	-	-
	Holland	-	-	-	17	-	-
	Belgium	-	-	-	61	-	-
	Netherlands	7	-	-	7	-	-
Welded, over 4" in diameter	United States	401	-	.4	105,689	-	17.2
	United Kingdom	36	-	-	17,453	-	-
Tubing -							
Not over 1/2" diameter, welded and coated	United States	18	-	-	227	-	-
Spiral welded	United States	159	-	-	4,626	-	-
Conduit	United States	255	-	-	3,355	-	-
Casings	United States	2,536	-	-	44,833	-	-
	United Kingdom	678	-	-	21,156	-	-
	Germany	-	-	-	6,533	-	-
	Italy	102	-	-	4,144	-	-
	Japan	1,264	-	-	4,815	-	-
	France	168	-	-	338	-	-
Wire rope	United States	12	-	-	531	-	2.0
	United Kingdom	52	-	-	1,365	-	-
	Germany	104	-	-	480	-	-
	Belgium	30	-	-	159	-	-
	Holland	-	-	-	178	-	-
	Norway	-	-	-	4	-	-
	Sweden	-	-	-	2	-	-
	Netherlands	-	-	-	4	-	-
Wire - For rope	United States	371	-	1.8	2,015	-	3.8
	United Kingdom	626	-	-	8,050	-	1.7
	Norway	-	-	-	70	-	-
	Germany	21	-	-	21	-	-
For springs, cushions, mattresses, etc.	United States	21	-	-	1,484	-	-
For corset clasps, dress stays, etc.	United States	4	-	-	62	-	-
	United Kingdom	-	-	-	5	-	-
Coated or covered	United States	72	-	-	449	-	-
	United Kingdom	23	-	-	275	-	-
	Belgium	-	-	-	30	-	-
	Germany	-	-	-	136	-	-
	Norway	-	-	-	6	-	-
All other	United States	125	6	5.7	1,415	195	18.8
	United Kingdom	42	-	-	465	-	.7
	Belgium	55	-	-	302	-	-
	Germany	11	-	-	27	-	-
	Sweden	-	-	-	-	3	5.2
	France	33	-	-	132	-	-
	Holland	155	-	-	155	-	-
Wire rods, not over 3/8" in diameter	United States	-	-	-	622	-	-
	United Kingdom	216	-	-	4,068	-	-
	Belgium	193	-	-	1,128	-	-
	Germany	386	-	-	3,153	-	-
	Sweden	-	-	-	36	-	-
Welding wire and welding rods	United States	1	129	-	766	864	-
	United Kingdom	-	2	-	-	3	-
	Sweden	-	-	-	-	9	-

Table 13 - Imports of Primary Forms of Iron and Steel, October, 1954, and Year to Date (Concluded)

Commodity	Country of origin	October, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Axles - For railway rolling stock	United States	-	-	-	16	-	-
Tires - For railway rolling stock	United States	-	-	-	39	-	-
	United Kingdom	30	-	-	1,200	-	-
Wheels - For railway rolling stock	United States	-	-	-	86	-	-
	United Kingdom	1,097	-	-	11,504	-	-
Rails -							
60 lb. and under	United States	65	-	-	356	-	-
	United Kingdom	-	-	-	1	-	-
	Belgium	40	-	-	612	-	-
	Germany	-	-	-	163	-	-
	France	-	-	-	38	-	-
Over 60 lb. and including 100 lb. ...	United States	-	-	-	1,290	-	-
	United Kingdom	-	-	-	8,422	-	-
Over 100 lb.	United States	-	-	-	1,140	-	-
	Belgium	-	-	-	26	-	-
Track material -							
Fish plates, angle bars, etc.	United States	25	-	-	1,394	-	-
	United Kingdom	201	-	-	2,264	-	-
	Belgium	4	-	-	33	-	-
	France	-	-	-	1	-	-
	Germany	-	-	-	9	-	-
Switch points, etc.	United States	5	-	-	165	-	-
Total imports	United States	47,545	2,038	399.2	680,882	25,816	5219.4
	All other	21,081	370	205.5	260,404	2,012	1879.7
TOTAL*		68,626	2,408	604.7	941,286	27,828	7099.1

* - These totals are not strictly comparable with those of previous years since the categories, "Castings" and "Forgings", have been dropped from this year's totals.

Table 14 - Exports of Primary Iron and Steel, October, 1954, and Year to Date

	October, 1954	Year to date
(Tons of 2,000 pounds)		
Pig iron	11,302	173,878
Ingots, blooms and billets	308	2,410
Bars	352	3,485
Rods	63	255
Plates, sheets and strips	2,810	21,248
Rails	31	1,487
Structural shapes	33	610
Pipe and tubing - Wrought iron	3	127
Cast iron	1	115
Galvanized	7	48
Other	51	721
Castings, iron and steel	916	10,827
Forgings	71	2,111
Total	15,948	217,322

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PRIMARY IRON AND STEEL

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PRIMARY IRON AND STEEL

Pig Iron - Production of pig iron in Canada amounted to 210,476 tons in November, 1954, compared with 254,643 tons in the corresponding month of last year. The total for the current month included 165,203 tons of basic iron, 29,295 tons of malleable iron and 15,978 tons of foundry iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during November, 1954, totalled 287,173 tons compared with 332,703 tons in November of last year. Output in the month under review included 282,110 tons of ingots and 5,063 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During November, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made *	Tonnage shipped	Tonnage made *	Tonnage shipped
	(Net tons of 2,000 pounds)			
Pig iron -				
Basic	210,048	12,848	165,203	8,058
Foundry	24,128	16,916	15,978	18,822
Malleable	20,467	21,318	29,295	31,836
Total pig iron	254,643	51,082	210,476	58,716
Ferro-alloys	8,777	8,671	(x)	(x)

* Includes amounts for sale and for own use.

(x) Available on a quarterly basis only, in 1954 - see Table 9.

Table 2 - Cumulative Production and Shipments for the Eleven Months Ended November, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made *	Tonnage shipped	Tonnage made *	Tonnage shipped
	(Net tons of 2,000 pounds)			
Pig iron -				
Basic	2,248,282	93,957	1,608,000	25,259
Foundry	158,007	142,792	142,624	132,627
Malleable	385,454	370,641	277,175	278,049
Total pig iron	2,791,743	607,390	2,027,799	436,035
Ferro-alloys	141,815	134,420	(x)	(x)

* Includes amounts for sale and for own use.

(x) Available on a quarterly basis only, in 1954 - see Table 9.

Table 3 - Iron Blast Furnace Charges During November and Eleven Months Ended November, 1953 and 1954

	November		Eleven months ended November	
	1 9 5 3	1 9 5 4	1 9 5 3	1 9 5 4
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	111,884	47,786	1,218,646	706,532
Imported	340,497	306,948	3,619,917	2,714,361
Mill cinder, scale, sinter, etc.	57,336	54,911	657,190	538,130
Limestone	99,446	71,446	987,043	714,708
Dolomite	25,799	23,607	287,901	233,221
Coke	237,735	185,248	2,581,108	1,081,272
Scrap iron and steel	6,641	10,070	86,748	75,429

Table 4 - Description of Iron Blast Furnaces at End of November, 1954

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	9	2,522,300	66.1
Banked	-	-	-
Blown out	7	1,295,700	33.9
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5- Production and Sales During November, 1953 and 1954

	1953		1954	
	Tonnage made*	Tonnage shipped	Tonnage made*	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	286,978	-	246,150	89
Electric	37,519	13	35,960	-
Total steel ingots	324,497	13	282,110	89
Alloy steel ingots included in above	9,274	13	12,596	-
<u>Steel castings</u>				
Open hearth - basic	2,658	2,224	1,550	1,398
Converter	-	-	11	7
Electric	5,548	4,628	3,502	2,930
Total steel castings	8,206	6,852	5,063	4,335
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	233	202	78	66
(b) High alloy, manganese and abrasion resistant	869	839	1,065	1,043
(c) All other alloys	927	352	213	203

* - Includes amounts for sale and for own use.

NOTE: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Eleven Months Ended November, 1953 and 1954

	1953		1954	
	Tonnage made*	Tonnage shipped	Tonnage made*	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	3,263,928	45,608	2,489,544	1,396
Electric	449,540	592	354,949	184
Total steel ingots	3,713,468	46,200	2,844,493	1,580
Alloy steel ingots included in above	173,072	325	120,759	79
<u>Steel castings</u>				
Open hearth - basic	27,804	23,705	20,478	16,505
Converter	289	213	94	77
Electric	68,478	53,376	53,985	41,757
Total steel castings	96,571	77,354	74,557	58,339
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	2,813	2,485	2,750	2,524
(b) High alloy, manganese and abrasion resistant	12,017	11,171	9,436	9,165
(c) All other alloys	10,066	2,702	7,075	2,177

* - Includes amounts for sale and for own use.

NOTE: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Pig Iron and Scrap Charged to Steel Furnaces, November, 1953 and 1954, and Eleven Months Ended November, 1954

	November 1953	November 1954	Eleven months ended November, 1954
	(Net tons of 2,000 pounds)		
Pig iron	194,344	166,075	1,616,011
Scrap - Own make	100,864	81,012	899,701
Purchased	67,952	59,516	583,914

Table 8 - Steel Furnace Capacity at First of January, 1954

	Annual capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,919,200
Electric	738,300
Total ingots	4,657,500
Steel castings	335,575
Total ingots and castings	4,993,075

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1953 and 1954

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
<u>1 9 5 3</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
December	220,526	8,779	296,345	9,085	305,430
Total	3,012,269	150,595	4,009,813	105,656	4,115,469
<u>1 9 5 4</u>					
January	214,999		290,487	8,413	298,900
February	182,050		258,765	8,146	266,911
March	200,763	26,000 (x)	240,515	8,775	249,290
April	194,307		247,872	7,924	255,796
May	178,742		252,988	7,363	260,351
June	167,211	27,804 (x)	264,470	7,523	271,993
July	174,403		255,328	5,126	260,454
August	166,580		235,984	5,520	241,504
September	156,373	27,005 (o)	241,553	5,805	247,358
October	181,895		274,421	4,899	279,320
November	210,476		282,110	5,063	287,173
Total eleven months ...	2,027,799		2,844,493	74,557	2,919,050

(x) First quarter.

(x) Second quarter.

(o) Third quarter.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 213,196 net tons in November, 1954, compared with 270,363 tons in November, 1953. The November, 1954, shipments included 10,032 tons of semi-finished shapes, 13,214 tons of structural shapes, 23,881 tons of plates, 1,347 tons of rails, 465 tons of tie plates and track material, 29,220 tons of hot rolled bars, 22,607 tons of pipes and tubes, 30,071 tons of wire rods, 31,892 tons of black sheets, 8,112 tons of galvanized sheets, 4,819 tons of castings, and 37,536 tons of other rolled products. The amount of producers' interchange was 97,341 tons in November, 1954, as against 112,443 tons in November, 1953.

Of the amounts shipped for sale during November, 17,466 tons went direct to railways and railway car shops; 17,323 tons went to pressing, forming and stamping plants; 35,434 tons to merchant trade products; 32,129 tons to building construction; 15,571 tons to the containers industry; 6,680 tons to agricultural equipment; 11,742 tons to the automotive industry; 15,077 tons to machinery plants; 1,803 tons to shipbuilding; 12,743 tons to mining, lumbering, etc.; and 5,545 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 30,920 tons, and exports for 10,763 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 97,341 tons in November, 1954.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, November, 1954

	P r o d u c t i o n	S h i p m e n t s	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon steel</u>			
Billets, etc., for forging	5,158	3,678	1,261
Other semi-finished shapes, not for re-rolling by makers	11,613	5,737	8,767
Structural shapes and piling	13,661	13,214	-
Plates	20,506	23,870	49
Rails	11,257	1,347	-
Tie plates and track material: Splice bars	1,007	15	329
Tie plates	797	26	-
Spikes	583	424	-
Concrete reinforcing bars	10,901	10,047	-
Hot rolled bars for cold finishing	657	-	615
Other hot rolled bars	28,782	24,982	2,112
Pipes and tubes	24,459	22,607	-
Wire rods	32,270	30,049	113
Hot rolled black sheets	62,385	15,678	46,853
Cold reduced black sheets	25,858	16,214	7,544
Cold reduced strip	2,363	2,217	66
Galvanized sheets	8,390	8,112	-
Steel castings	3,573	3,265	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	50,261	24,056	29,625
Total carbon steel	314,481	205,538	97,334
<u>Alloy steel</u>			
Billets, etc., for forging	738	617	-
Other semi-finished shapes, not for re-rolling by makers	5	-	5
Plates	10	11	-
Hot rolled bars for cold finishing	-	-	-
Other hot rolled bars	4,445	4,238	2
Wire rods	12	22	-
Steel castings	1,354	1,554	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, axles, etc.)	1,262	1,216	-
Total alloy steel	7,826	7,658	7

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Eleven Months Ended November, 1954

	P r o d u c t i o n		S h i p m e n t s	
	(Including producers' interchange)	For sale	Producers' interchange	
(Tons of 2,000 pounds)				
<u>Carbon steel</u>				
Billets, etc., for forging	56,206	32,071	24,473	
Other semi-finished shapes, not for re-rolling by makers	98,989	6,923	101,219	
Structural shapes and piling	123,363	126,759	-	
Plates	183,322	184,664	80	
Rails	232,969	225,394	-	
Tie plates and track material: Splice bars	12,570	12,307	329	
Tie plates	36,896	36,166	-	
Spikes	9,596	9,992	-	
Concrete reinforcing bars	144,349	137,495	-	
Hot rolled bars for cold finishing	8,588	-	8,532	
Other hot rolled bars	340,495	271,262	57,832	
Pipes and tubes	209,171	223,414	11	
Wire rods	252,385	249,623	915	
Hot rolled black sheets	675,884	137,296	544,374	
Cold reduced black sheets	222,456	152,955	67,341	
Cold reduced strip	18,076	16,154	667	
Galvanized sheets	95,198	97,216	14	
Steel castings	53,263	53,248	-	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	663,687	310,426	357,021	
Total carbon steel	3,437,463	2,283,365	1,162,808	
<u>Alloy steel</u>				
Billets, etc., for forging	6,453	6,269	-	
Other semi-finished shapes, not for re-rolling by makers	2,000	-	2,000	
Plates	424	458	-	
Hot rolled bars for cold finishing	-	-	-	
Other hot rolled bars	48,055	45,974	149	
Wire rods	814	844	3	
Steel castings	18,419	18,397	-	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, axles, etc.)	10,130	9,458	-	
Total alloy steel	86,295	81,400	2,152	

NOTE: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

- 6 -

	November, 1954		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	7,808	3,934	82,569	43,191
Agricultural, including farm machinery ..	6,578	102	62,857	1,415
Building construction	32,094	35	325,053	514
Containers industry	15,567	4	257,874	181
Machinery and tools	14,317	760	132,369	8,105
Merchant trade products	35,244	190	313,880	2,406
Mining, lumbering, etc.	11,702	1,041	119,985	9,124
National defence	3,201	403	29,764	4,712
Pressing, forming and stamping	17,280	43	144,462	846
Public works and utilities	698	70	17,281	528
Railway operating	3,157	83	304,210	999
Railway cars and locomotives	14,141	85	113,755	2,088
Shipbuilding	1,726	77	13,292	476
Miscellaneous and unclassified	1,040	133	12,733	1,559
Wholesalers and warehouses	30,814	106	321,348	1,106
Direct export (a) to British Empire	512	58	4,492	548
(b) to other countries	9,659	534	27,441	3,602
Total shipped for sale	205,538	7,658	2,283,365	81,400
Producers' interchange	97,334	7	1,162,808	2,152

Commodity	Country of origin	November, 1954			Year to date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	-	-	-	171	-	-
	United Kingdom	-	-	-	2,810	-	-
	South Africa	-	-	-	171	-	-
Malleable	United States	-	-	-	510	-	-
Silvery	United States	676	-	-	2,857	-	-
Foundry	United States	50	-	-	1,067	-	-
	United Kingdom	-	-	-	112	-	-
	Spain	-	-	-	5,462	-	-
	Australia	341	-	-	676	-	-
	South Africa	126	-	-	126	-	-
Ingots	United States	65	114	-	597	968	-
Billets, blooms, slabs and sheet bars..	United States	81	93	9.9	1,451	362	74.6
	United Kingdom	2	-	-	13	76	-
	Belgium	-	-	-	1,000	-	-
Tube rounds and tube billets	United States	-	-	-	1,051	-	-
Bars and sections -							
Hot rolled, n.o.p.	United States	1,990	251	8.3	21,765	2,519	137.0
	United Kingdom	121	43	2.1	2,227	380	172.5
	Belgium	2,015	-	-	16,930	-	-
	Austria	-	-	-	-	60	-
	France	384	-	-	6,255	-	-
	Germany	-	-	-	723	-	-
	Japan	37	-	-	37	-	-
Hot rolled -							
For agricultural implements	United States	364	-	-	2,351	23	-
Rounds over 4½", squares over 4"...	United States	67	1	-	1,008	51	.6
	United Kingdom	33	-	-	468	28	1.8
	Belgium	2	-	-	2	-	-
Angles, channels, etc.	United States	330	-	4.3	4,589	-	45.7
	United Kingdom	128	-	-	456	-	-
	Belgium	617	-	-	3,276	-	-
	Germany	5	-	-	35	-	-
	France	274	-	-	1,237	-	-
	Sweden	-	-	-	-	-	3.0

Table 13 - Imports of Primary Forms of Iron and Steel, November, 1954, and Year to Date (Continued)

Commodity	Country of origin	November, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections (concluded) -							
Hot rolled (concluded) -							
Structurals (bar sizes) for agricultural implements	United States	85	-	-	326	-	-
Sash or casement sections	United States	287	-	-	2,368	-	-
	United Kingdom	4	-	-	160	-	-
	Belgium	9	-	-	91	-	-
Cold finished, n.o.p.	United States	327	22	16.5	3,713	307	141.6
	United Kingdom	282	-	2.8	1,269	7	43.2
	Belgium	9	-	-	234	-	-
	Sweden	-	-	-	-	115	-
	France	-	-	-	481	-	-
Cold finished, for agricultural implements	United States	48	-	-	1,359	16	-
Tool steel	United States	1	34	-	35	425	-
	United Kingdom	7	41	-	226	503	-
	Germany	-	1	-	-	11	-
	Austria	-	18	-	-	31	-
Structurals	United States	20,932	-	-	219,892	-	-
	United Kingdom	801	-	-	6,134	-	-
	Belgium	2,662	-	-	15,301	-	-
	France	562	-	-	9,350	-	-
	Germany	504	-	-	1,682	-	-
Plates -							
78" and under in width	United States	1,552	1	51.5	25,700	463	585.1
	United Kingdom	1,577	-	1.8	16,605	-	203.9
	Germany	-	-	-	183	-	-
	Japan	738	-	-	3,104	-	-
	Belgium	-	-	-	163	-	-
Over 78" and under 100" in width	United States	684	-	8.1	23,454	34	114.3
	United Kingdom	80	-	-	8,192	-	-
	France	-	-	-	6	-	-
	Japan	291	-	-	291	-	-
100" in width and over	United States	184	-	17.7	5,484	33	174.7
	United Kingdom	3	-	-	415	-	-
	France	-	-	-	22	-	-
Flanged, dished or curved	United States	187	-	-	1,033	-	-
Boiler, pulp-mill digesters	United States	245	-	-	3,335	-	-
	United Kingdom	-	-	-	18	-	-
Chequered or surface pattern	United States	792	-	-	8,989	-	-
	United Kingdom	114	-	-	445	-	-
Sheets -							
Silicon .075 or more	United States	-	1,091	-	-	12,143	-
	United Kingdom	-	85	-	-	286	-
Galvanized	United States	673	-	-	15,902	-	-
	United Kingdom	43	-	-	1,351	-	-
	Belgium	-	-	-	13	-	-
Hot rolled -							
18 gauge and heavier	United States	3,872	6	1.3	42,009	113	96.2
	United Kingdom	19	-	15.7	1,159	-	386.0
	Sweden	-	-	5.9	-	-	73.7
Lighter than 18 gauge	United States	4	-	.2	27	38	10.5
	United Kingdom	-	-	-	-	-	16.7
	Belgium	-	-	-	7	-	-
	Sweden	-	-	-	-	-	.7
Cold rolled -							
18 gauge and heavier	United States	287	-	64.9	6,783	-	944.4
	United Kingdom	-	-	74.4	307	-	682.1
	Sweden	-	-	-	1	-	-
Lighter than 18 gauge	United States	1,065	-	79.9	9,559	-	1197.8
	United Kingdom	137	-	27.6	1,780	-	221.8
	Sweden	-	-	-	-	-	10.2

Table 13 - Imports of Primary Forms of Iron and Steel, November, 1954, and Year to Date (Continued)

Commodity	Country of origin	November, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Sheets (concluded) -							
Corrugated	United States	383	-	-	5,189	-	-
	United Kingdom	2	-	-	17	-	-
Coated with paint, tar, asphaltum, etc..	United States	25	-	-	927	-	-
For saws	United States	-	34	-	-	467	-
	United Kingdom	-	-	-	-	15	-
	Sweden	-	-	-	-	1	-
For hollow ware (vitreous enamel) ...	United States	701	-	-	7,667	-	-
	United Kingdom	-	-	-	579	-	-
Tin mill black plate	United States	-	-	-	36	-	-
For motor vehicles	United States	947	-	-	16,815	-	-
For heating apparatus	United States	-	-	-	106	-	-
For tubes	United States	10	-	-	532	-	-
Tin plate - Primes	United Kingdom	28	-	-	2,762	-	-
	United States	77	-	-	298	-	-
Electrolytic 25# coating.	United States	-	-	-	274	-	-
	United Kingdom	-	-	-	2,135	-	-
Terne plate - Long	United States	234	-	-	3,213	-	-
Short	United States	48	-	-	1,711	-	-
Strip -							
Hot rolled -							
18 gauge and heavier	United States	331	-	-	4,032	51	1.6
	United Kingdom	68	-	-	219	-	-
	Belgium	236	-	-	420	-	-
	France	-	-	-	22	-	-
Lighter than 18 gauge	United States	84	-	-	417	-	-
	United Kingdom	-	-	-	28	-	-
Cold rolled -							
18 gauge and heavier	United States	69	32	22.6	1,213	296	148.2
	United Kingdom	20	-	-	94	-	4.0
Lighter than 18 gauge	United States	239	16	46.8	2,022	235	1147.4
	United Kingdom	10	-	-	305	-	24.6
	Sweden	-	29	-	4	129	3.8
	Belgium	-	-	-	10	-	-
	Netherlands	-	5	-	-	5	-
For cold rolling	United States	42	-	-	231	-	-
For saws	United States	-	33	-	1	358	-
	United Kingdom	-	1	-	-	4	-
	Sweden	-	17	-	-	110	-
For tubes	United States	-	-	-	200	-	-
For tubular products	United States	3	-	-	186	-	-
For motor vehicles	United States	461	-	-	11,001	-	-
For hoops	United States	72	-	-	546	-	-
	United Kingdom	11	-	-	262	-	-
	Sweden	-	-	-	5	-	-
	Belgium	32	-	-	32	-	-
For shoe and corset laces, etc.	United States	-	-	-	5	-	-
	United Kingdom	-	-	-	2	-	-
Coated with paint, tar, asphaltum, etc..	United States	631	-	-	5,863	-	-
	United Kingdom	-	-	-	13	-	-
	Germany	-	-	-	21	-	-
Silicon .075 or more	United States	-	534	-	-	4,805	-
	United Kingdom	-	-	-	-	4	-
For butt hinges	United States	410	-	-	1,020	-	-
Galvanized	United States	390	-	-	3,519	-	-
	United Kingdom	-	-	-	529	-	-
	Belgium	-	-	-	9	-	-
Skelp -							
15 $\frac{3}{8}$ " and under in width	United States	6,436	-	-	47,823	-	-
	Belgium	3,369	-	-	7,315	-	-
	Germany	1,119	-	-	1,119	-	-
Over 15 $\frac{3}{8}$ " in width	United States	169	-	-	6,069	-	-
	Belgium	-	-	-	1,109	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, November, 1954, and Year to Date (Continued)

Commodity	Country of origin	November, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pipes and tubes -							
Cast	United States	15	-	-	731	-	-
	United Kingdom	670	-	-	29,135	-	-
	Germany	-	-	-	37	-	-
For bedstead	France	-	-	-	2	-	-
Repair of pressure parts of boilers -							
Hot finished	United States	132	1	4.4	2,009	114	266.2
	United Kingdom	286	53	-	2,113	53	-
	Switzerland	23	-	-	135	-	-
	Germany	-	-	-	25	-	-
Cold drawn	United States	1	20	.3	223	32	12.5
	United Kingdom	25	-	-	499	2	-
	Sweden	-	-	-	11	-	-
Welded	United States	58	-	-	1,432	22	2.2
	United Kingdom	135	-	-	825	-	-
Seamless, 12" and under in diameter -							
Cold drawn	United States	408	160	22.9	4,457	3,034	245.0
	United Kingdom	114	3	8.9	1,167	30	153.3
	Sweden	8	-	.1	94	427	10.0
Hot finished	United States	249	100	18.1	6,607	377	152.4
	United Kingdom	106	-	-	5,861	13	-
	Germany	-	-	-	101	-	-
	Italy	-	-	-	19	-	-
Seamless, over 12" in diameter -							
Hot finished	United States	151	-	-	6,491	14	-
	United Kingdom	-	1	-	5,044	4	-
Welded, 4" and under in diameter ..	United States	641	-	4.5	8,336	-	61.9
	United Kingdom	301	-	-	6,073	-	-
	France	69	-	-	213	-	-
	Germany	870	-	-	1,414	-	-
	Holland	-	-	-	17	-	-
	Belgium	-	-	-	61	-	-
	Netherlands	7	-	-	14	-	-
Welded, over 4" in diameter	United States	269	-	1.6	105,958	-	18.8
	United Kingdom	-	-	-	17,453	-	-
Tubing -							
Not over 1/2" diameter, welded and coated	United States	24	-	-	251	-	-
Spiral welded	United States	273	-	-	4,899	-	-
Conduit	United States	247	-	-	3,602	-	-
Casings	United States	3,580	-	-	48,413	-	-
	United Kingdom	1,321	-	-	22,477	-	-
	Germany	563	-	-	7,096	-	-
	Italy	-	-	-	4,144	-	-
	Japan	953	-	-	5,768	-	-
	France	612	-	-	950	-	-
	Belgium	140	-	-	140	-	-
Wire rope	United States	116	-	.2	647	-	2.2
	United Kingdom	53	-	-	1,418	-	-
	Germany	57	-	-	537	-	-
	Belgium	-	-	-	159	-	-
	Holland	6	-	-	184	-	-
	Norway	-	-	-	4	-	-
	Sweden	2	-	-	4	-	-
	Netherlands	-	-	-	4	-	-
Wire - For rope	United States	366	-	.3	2,381	-	4.1
	United Kingdom	536	-	-	8,586	-	1.7
	Norway	-	-	-	70	-	-
	Germany	-	-	-	21	-	-
	Belgium	8	-	-	8	-	-
For springs, cushions, mattresses, etc.	United States	64	-	-	1,548	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, November, 1954, and Year to Date (Concluded)

Commodity	Country of origin	November, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Wire - (Concluded) -							
For corset clasps, dress stays, etc.	United States	6	-	-	68	-	-
	United Kingdom	-	-	-	5	-	-
Coated or covered	United States	31	-	-	480	-	-
	United Kingdom	28	-	-	303	-	-
	Belgium	-	-	-	30	-	-
	Germany	-	-	-	136	-	-
	Norway	-	-	-	6	-	-
All other	United States	135	9	7.4	1,550	204	26.2
	United Kingdom	76	-	-	541	-	.7
	Belgium	10	-	-	312	-	-
	Germany	2	-	-	29	-	-
	Sweden	-	-	-	-	3	5.2
	France	-	-	-	132	-	-
	Holland	-	-	-	155	-	-
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	-	-	-	622	-	-
	United Kingdom	-	-	-	4,068	-	-
	Belgium	-	-	-	1,128	-	-
	Germany	-	-	-	3,153	-	-
	Sweden	-	-	-	36	-	-
Welding wire and welding rods	United States	2	14.7	-	768	1,011	-
	United Kingdom	-	-	-	-	3	-
	Sweden	-	-	-	-	9	-
Axles - For railway rolling stock	United States	-	-	-	16	-	-
Tires - For railway rolling stock	United States	11	-	-	50	-	-
	United Kingdom	38	-	-	1,238	-	-
Wheels - For railway rolling stock	United States	-	-	-	86	-	-
	United Kingdom	449	-	-	11,953	-	-
Rails -							
60 lb. and under	United States	189	-	-	545	-	-
	United Kingdom	-	-	-	1	-	-
	Belgium	-	-	-	612	-	-
	Germany	-	-	-	163	-	-
	France	-	-	-	38	-	-
Over 60 lb. and including 100 lb. ...	United States	498	-	-	1,788	-	-
	United Kingdom	-	-	-	8,422	-	-
Over 100 lb.	United States	56	-	-	1,196	-	-
	Belgium	-	-	-	26	-	-
Track material -							
Fish plates, angle bars, etc.	United States	107	-	-	1,501	-	-
	United Kingdom	-	-	-	2,264	-	-
	Belgium	-	-	-	33	-	-
	France	-	-	-	1	-	-
	Germany	-	-	-	9	-	-
Switch points, etc.	United States	4	-	-	169	-	-
Total imports	United States	54,243	2,699	391.7	735,125	28,515	5611.1
	All other	24,290	297	139.3	284,694	2,309	2019.0
TOTAL*		78,533	2,996	531.0	1,019,819	30,824	7630.1

* - These totals are not strictly comparable with those of previous years since the categories, "Castings" and "Forgings", have been dropped from this year's totals.

Table 14 - Exports of Primary Iron and Steel, November, 1954, and Year to Date

	November, 1954	Year to date
	(Tons of 2,000 pounds)	
Pig iron	22,777	196,655
Ingots, blooms and billets	408	2,818
Bars	518	4,003
Rods	-	255
Plates, sheets and strips	3,432	24,680
Rails	-	1,487
Structural shapes	353	963
Pipe and tubing - Wrought iron	1	128
Cast iron	9	124
Galvanized	238	286
Other	191	912
Castings, iron and steel	1,212	12,039
Forgings	75	2,186
Total	29,214	246,536

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PRIMARY IRON AND STEEL
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PRIMARY IRON AND STEEL

Pig Iron - Production of pig iron in Canada amounted to 185,634 tons in December, 1954, compared with 220,526 tons in the corresponding month of last year. The total for the current month included 154,278 tons of basic iron, 13,911 tons of malleable iron and 17,445 tons of foundry iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during December, 1954, totalled 275,072 tons compared with 305,430 tons in December of last year. Output in the month under review included 269,329 tons of ingots and 5,743 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During December, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made*	Tonnage shipped	Tonnage made*	Tonnage shipped
	(Net tons of 2,000 pounds)			
Pig iron -				
Basic	189,467	7,479	154,278	727
Foundry	12,414	6,126	17,445	5,529
Malleable	18,645	5,453	13,911	13,309
Total pig iron	220,526	19,058	185,634	19,565
Ferro-alloys	8,779	7,564	(x)	(x)

* Includes amounts for sale and for own use.

(x) Available on a quarterly basis only, in 1954 - see Table 9.

Table 2 - Cumulative Production and Shipments for the Twelve Months Ended December, 1953 and 1954

	1 9 5 3		1 9 5 4	
	Tonnage made*	Tonnage shipped	Tonnage made*	Tonnage shipped
	(Net tons of 2,000 pounds)			
Pig iron -				
Basic	2,437,749	101,436	1,762,278	25,986
Foundry	170,421	148,918	160,069	138,156
Malleable	404,099	376,094	291,086	291,358
Total pig iron	3,012,269	626,448	2,213,433	455,600
Ferro-alloys	150,595	141,984	(x)	(x)

* Includes amounts for sale and for own use.

(x) Available on a quarterly basis only, in 1954 - see Table 9.

Table 3 - Iron Blast Furnace Charges During December and Twelve Months Ended December, 1953 and 1954

	December		Twelve months ended December	
	1 9 5 3	1 9 5 4	1 9 5 3	1 9 5 4
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	97,400	43,361	1,316,046	749,893
Imported	299,281	273,566	3,919,198	2,987,927
Mill cinder, scale, sinter, etc.	47,981	43,761	705,171	581,891
Limestone	83,893	63,437	1,070,936	778,145
Dolomite	30,572	25,243	318,473	258,464
Coke	203,480	67,982	2,784,588	1,869,254
Scrap iron and steel	3,386	7,193	90,134	82,622

Table 4 - Description of Iron Blast Furnaces at End of December, 1954

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	8	2,354,300	62.0
Banked	1	168,000	4.1
Blown out	7	1,295,700	33.9
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During December, 1953 and 1954

	1953		1954	
	Tonnage made*	Tonnage shipped	Tonnage made*	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	258,116	69	234,846	117
Electric	38,229	-	34,843	-
Total steel ingots	296,345	69	269,329	117
Alloy steel ingots included in above	12,215	1	12,007	-
<u>Steel castings</u>				
Open hearth - basic	2,680	2,378	1,883	1,798
Converter	-	-	1	3
Electric	6,405	5,142	3,859	2,683
Total steel castings	9,085	7,520	5,743	4,484
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	182	150	154	137
(b) High alloy, manganese and abrasion resistant	1,039	1,056	1,069	1,096
(c) All other alloys	927	175	191	130

* - Includes amounts for sale and for own use.

NOTE: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 6 - Cumulative Production and Sales for the Twelve Months Ended December, 1953 and 1954

	1953		1954	
	Tonnage made*	Tonnage shipped	Tonnage made*	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	3,522,044	45,677	2,724,390	1,513
Electric	487,769	592	389,432	184
Total steel ingots	4,009,813	46,269	3,113,822	1,697
Alloy steel ingots included in above	185,287	326	132,766	79
<u>Steel castings</u>				
Open hearth - basic	30,484	26,083	22,361	18,303
Converter	289	213	95	80
Electric	74,883	58,518	57,844	44,440
Total steel castings	105,656	84,874	80,300	62,823
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	2,995	2,635	2,904	2,661
(b) High alloy, manganese and abrasion resistant	13,056	12,227	10,505	10,261
(c) All other alloys	10,993	2,877	7,266	2,307

* - Includes amounts for sale and for own use.

NOTE: High alloy castings include all castings with any alloy content of eight per cent and over.

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Table 7 - Pig Iron and Scrap Charged to Steel Furnaces, December, 1953 and 1954, and Twelve Months Ended December, 1954

	December 1953	December 1954	Twelve months ended December, 1954
	(Net tons of 2,000 pounds)		
Pig iron	177,149	153,033	1,769,044
Scrap - Own make	94,655	82,937	982,638
Purchased	59,647	52,877	636,791

Table 8 - Steel Furnace Capacity at First of January, 1954

	Annual capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,919,200
Electric	738,300
Total ingots	4,657,500
Steel castings	335,575
Total ingots and castings	4,993,075

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1953 and 1954

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
	(Net tons of 2,000 pounds)				
<u>1 9 5 3</u>					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
December	220,526	8,779	296,345	9,085	305,430
Total	3,012,269	150,595	4,009,813	105,656	4,115,469
<u>1 9 5 4</u>					
January	214,999		290,487	8,413	298,900
February	182,050		258,765	8,146	266,911
March	200,763	26,000 (x)	240,515	8,775	249,290
April	194,307		247,872	7,924	255,796
May	178,742		252,988	7,363	260,351
June	167,211	27,804 (*)	264,470	7,523	271,993
July	174,403		255,328	5,126	260,454
August	166,580		235,984	5,520	241,504
September	156,373	27,005 (o)	241,553	5,805	247,358
October	181,895		274,421	4,899	279,320
November	210,476		282,110	5,063	287,173
December	185,634	29,024 (+)	269,329	5,743	275,072
Total	2,213,433	109,833	3,113,822	80,300	3,194,122

(x) First quarter.

(*) Second quarter.

(o) Third quarter.

(+) Fourth quarter.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 200,987 net tons in December, 1954, compared with 253,135 tons in December, 1953. The December, 1954, shipments included 15,633 tons of semi-finished shapes, 11,850 tons of structural, 14,316 tons of plates, 7,473 tons of rails, 2,805 tons of tie plates and track material, 31,448 tons of hot rolled bars, 14,975 tons of pipes and tubes, 23,797 tons of wire rods, 28,390 tons of black sheets, 8,359 tons of galvanized sheets, 5,268 tons of castings, and 36,673 tons of other rolled products. The amount of producers' interchange was 106,110 tons in December, 1954, as against 96,946 tons in December, 1953.

Of the amounts shipped for sale during December, 7,385 tons went direct to railways and railway car shops; 15,046 tons went to pressing, forming and stamping plants; 31,169 tons to merchant trade products; 28,648 tons to building construction; 14,033 tons to the containers industry; 9,748 tons to agricultural equipment; 14,788 tons to the automotive industry; 11,900 tons to machinery plants; 1,985 tons to shipbuilding; 8,268 tons to mining, lumbering, etc.; and 4,590 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 28,206 tons, and exports for 25,221 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 106,110 tons in December, 1954.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, December, 1954

	P r o d u c t i o n	S h i p m e n t s	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon steel</u>			
Billets, etc., for forging	16,749	14,931	1,280
Other semi-finished shapes, not for re-rolling by makers	11,710	8	10,174
Structural shapes and piling	11,614	11,850	-
Plates	14,416	14,316	23
Rails	10,389	7,473	-
Tie plates and track material: Splice bars	1,031	257	-
Tie plates	2,578	2,039	-
Spikes	585	509	-
Concrete reinforcing bars	9,328	10,160	-
Hot rolled bars for cold finishing	1,331	-	1,327
Other hot rolled bars	26,606	26,979	2,327
Pipes and tubes	15,517	14,975	1
Wire rods	21,787	23,764	192
Hot rolled black sheets	63,146	11,858	53,128
Cold reduced black sheets	25,111	16,532	7,421
Cold reduced strip	2,883	2,204	108
Galvanized sheets	8,444	8,359	-
Steel castings	4,120	4,008	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	57,303	22,790	29,545
Total carbon steel	304,648	193,012	105,526
<u>Alloy steel</u>			
Billets, etc., for forging	669	694	-
Other semi-finished shapes, not for re-rolling by makers	582	-	582
Plates	-	-	-
Hot rolled bars for cold finishing	-	-	-
Other hot rolled bars	4,194	4,469	2
Wire rods	26	33	-
Steel castings	1,388	1,260	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, axles, etc.)	1,503	1,519	-
Total alloy steel	8,362	7,975	584

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Twelve Months Ended December, 1954

	P r o d u c t i o n		S h i p m e n t s	
	(Including producers' interchange)	For sale	Producers' interchange	
(Tons of 2,000 pounds)				
<u>Carbon steel</u>				
Billets, etc., for forging	72,955	47,002	25,753	
Other semi-finished shapes, not for re-rolling by makers	110,699	6,931	111,393	
Structural shapes and piling	134,977	138,609	-	
Plates	197,738	198,980	103	
Rails	243,358	232,867	-	
Tie plates and track material: Splice bars	13,601	12,564	329	
Tie plates	39,474	38,205	-	
Spikes	10,181	10,501	-	
Concrete reinforcing bars	153,677	147,655	-	
Hot rolled bars for cold finishing	9,919	-	9,859	
Other hot rolled bars	367,101	298,241	60,159	
Pipes and tubes	224,688	238,389	12	
Wire rods	274,172	273,387	1,107	
Hot rolled black sheets	739,030	149,154	597,502	
Cold reduced black sheets	247,567	169,487	74,762	
Cold reduced strip	20,959	18,358	775	
Galvanized sheets	103,642	105,575	14	
Steel castings	57,383	57,256	-	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	720,990	333,216	386,566	
Total carbon steel	3,742,111	2,476,377	1,268,334	

Alloy steel

Billets, etc., for forging	7,122	6,963	-	
Other semi-finished shapes, not for re-rolling by makers	2,582	-	2,582	
Plates	424	458	-	
Hot rolled bars for cold finishing	-	-	-	
Other hot rolled bars	52,249	50,443	151	
Wire rods	840	877	3	
Steel castings	19,807	19,657	-	
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, axles, etc.)	11,633	10,977	-	
Total alloy steel	94,657	89,375	2,736	

NOTE: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Table 12 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, December, 1954, and Year to Date

	December, 1954		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	11,094	3,694	93,663	46,285
Agricultural, including farm machinery	9,359	389	72,216	1,804
Building construction	28,575	73	353,628	587
Containers industry	14,028	5	271,902	186
Machinery and tools	10,993	907	143,362	9,012
Merchant trade products	31,002	167	344,882	2,573
Mining, lumbering, etc.	7,303	965	127,288	10,089
National defence	2,279	410	32,043	5,122
Pressing, forming and stamping	14,982	64	159,444	910
Public works and utilities	568	34	17,849	562
Railway operating	2,232	40	306,442	1,039
Railway cars and locomotives	4,943	170	118,698	2,258
Shipbuilding	1,897	88	15,189	564
Miscellaneous and unclassified	1,184	115	13,917	1,674
Wholesalers and warehouses	27,975	231	349,323	1,337
Direct export (a) to British Empire	2,111	121	6,603	669
(b) to other countries	22,487	502	49,928	4,104
Total shipped for sale	193,012	7,975	2,476,377	89,375
Producers' interchange	105,526	584	1,268,334	2,736

Table 13 - Imports of Primary Forms of Iron and Steel, December, 1954, and Year to Date

Commodity	Country of origin	December, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	-	-	-	171	-	-
	United Kingdom	-	-	-	2,810	-	-
	South Africa	-	-	-	171	-	-
Foundry	United States	2,815	-	-	3,882	-	-
	United Kingdom	1,680	-	-	1,792	-	-
	Spain	-	-	-	5,462	-	-
	South Africa	-	-	-	126	-	-
	Australia	152	-	-	828	-	-
Silvery	United States	-	-	-	2,857	-	-
Malleable	United States	-	-	-	510	-	-
Ingots	United States	113	113	-	710	1,081	-
Billets, blooms, slabs and sheet bars..	United States	61	83	12.9	1,512	445	87.5
	Belgium	-	-	-	1,000	-	-
	United Kingdom	-	8	-	13	84	-
Tube rounds and tube billets	United States	-	-	-	1,051	-	-
Bars and sections -							
Hot rolled, n.o.p.	United States	2,445	83	23.8	24,210	2,602	160.8
	United Kingdom	225	31	8.6	2,452	411	181.1
	Belgium	342	-	-	17,272	-	-
	France	319	-	-	6,574	-	-
	Japan	142	-	-	179	-	-
	Germany	-	-	-	723	-	-
	Austria	-	-	-	-	60	-
Hot rolled -							
For agricultural implements	United States	683	120	-	3,034	143	-
Rounds over 4 $\frac{7}{8}$ ", squares over 4"...	United States	125	1	.5	1,133	52	1.1
	United Kingdom	54	-	-	522	28	1.8
	Belgium	-	-	-	2	-	-
Angles, channels, etc.	United States	487	-	7.4	5,076	-	53.1
	Belgium	136	-	-	3,412	-	-
	United Kingdom	7	-	-	463	-	-
	France	88	-	-	1,325	-	-
	Germany	-	-	-	35	-	-
	Sweden	-	-	-	-	-	3.0

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Table 13 - Imports of Primary Forms of Iron and Steel, December, 1954, and Year to Date (Continued)

Commodity	Country of origin	December, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections (concluded) -							
Hot rolled (concluded) -							
Structurals (bar sizes) for							
agricultural implements	United States	173	-	-	499	-	-
Sash or casement sections	United States	96	-	-	2,464	-	-
	United Kingdom	-	-	-	160	-	-
	Belgium	-	-	-	91	-	-
Cold finished, n.o.p.	United States	293	24	5.1	4,006	331	146.7
	United Kingdom	138	-	27.8	1,407	7	71.0
	Belgium	39	-	-	273	-	-
	Sweden	-	-	-	-	115	-
	France	-	-	-	481	-	-
Cold finished, for agricultural							
implements	United States	289	-	-	1,648	16	-
Tool steel	United States	1	57	-	36	482	-
	United Kingdom	19	92	-	245	595	-
	Germany	-	-	-	-	11	-
	Austria	-	-	-	-	31	-
Structurals	United States	22,440	-	-	242,332	-	-
	United Kingdom	972	-	-	7,106	-	-
	Belgium	1,532	-	-	16,833	-	-
	France	679	-	-	10,029	-	-
	Germany	-	-	-	1,682	-	-
Plates -							
78" and under in width	United States	1,587	7	70.7	27,287	470	655.8
	United Kingdom	1,064	-	11.0	17,669	-	214.9
	Germany	-	-	-	183	-	-
	Japan	113	-	-	3,217	-	-
	Belgium	-	-	-	163	-	-
Over 78" and under 100" in width	United States	694	-	11.1	24,148	34	125.4
	United Kingdom	932	-	-	9,124	-	-
	France	-	-	-	6	-	-
	Japan	65	-	-	356	-	-
100" in width and over	United States	268	-	12.8	5,752	33	187.5
	United Kingdom	31	-	-	446	-	-
	France	-	-	-	22	-	-
Flanged, dished or curved	United States	69	-	-	1,102	-	-
Boiler, pulp-mill digesters	United States	178	-	-	3,513	-	-
	United Kingdom	-	-	-	18	-	-
Chequered or surface pattern	United States	644	-	-	9,633	-	-
	United Kingdom	-	-	-	445	-	-
Sheets -							
Silicon .075 or more	United States	-	828	-	-	12,971	-
	United Kingdom	-	-	-	-	286	-
Galvanized	United States	1,251	-	-	17,153	-	-
	United Kingdom	50	-	-	1,401	-	-
	Belgium	-	-	-	13	-	-
Hot rolled -							
18 gauge and heavier	United States	1,813	10	.3	43,822	123	96.5
	United Kingdom	21	-	19.3	1,180	-	405.3
	Sweden	-	-	.9	-	-	74.6
Lighter than 18 gauge	United States	-	4	.6	27	42	11.1
	United Kingdom	-	-	3.8	-	-	20.5
	Belgium	-	-	-	7	-	-
	Sweden	-	-	-	-	-	.7
Cold rolled -							
18 gauge and heavier	United States	394	-	58.9	7,177	-	1003.3
	United Kingdom	-	-	6.1	307	-	688.2
	Sweden	-	-	6.3	1	-	6.3
Lighter than 18 gauge	United States	546	-	57.0	10,105	-	1254.8
	United Kingdom	9	-	3.5	1,789	-	225.3
	Sweden	-	-	1.5	-	-	11.7

Table 13 - Imports of Primary Forms of Iron and Steel, December, 1954, and Year to Date (Continued)

Commodity	Country of origin	December, 1954			Year to date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
Sheets (concluded) -		(Tons of 2,000 pounds)					
Corrugated	United States	222	-	-	5,411	-	-
	United Kingdom	11	-	-	28	-	-
Coated with paint, tar, asphaltum, etc..	United States	22	-	-	949	-	-
For saws	United States	-	36	-	-	503	-
	United Kingdom	-	-	-	-	15	-
	Sweden	-	-	-	-	1	-
For hollow ware (vitreous enamel) ...	United States	303	-	-	7,970	-	-
	United Kingdom	2	-	-	581	-	-
Tin mill black plate	United States	-	-	-	36	-	-
For motor vehicles	United States	1,755	-	-	18,570	-	-
For heating apparatus	United States	-	-	-	106	-	-
For tubes	United States	-	-	-	532	-	-
Tin plate - Primes	United Kingdom	4	-	-	2,766	-	-
	United States	1,158	-	-	1,456	-	-
Electrolytic 25# coating.	United States	-	-	-	274	-	-
	United Kingdom	-	-	-	2,135	-	-
Terne plate - Long	United States	428	-	-	3,641	-	-
Short	United States	137	-	-	1,848	-	-
Strip -							
Hot rolled -							
18 gauge and heavier	United States	444	3	-	4,476	54	1.6
	United Kingdom	36	-	-	255	-	-
	Belgium	12	-	-	432	-	-
	France	39	-	-	61	-	-
	Holland	64	-	-	64	-	-
Lighter than 18 gauge	United States	4	-	-	421	-	-
	United Kingdom	-	-	-	28	-	-
Cold rolled -							
18 gauge and heavier	United States	107	57	13.8	1,320	353	162.0
	United Kingdom	11	-	.7	105	-	4.7
Lighter than 18 gauge	United States	144	4	61.6	2,166	239	1209.0
	United Kingdom	20	-	-	325	-	24.6
	Sweden	-	58	-	4	187	3.8
	Belgium	-	-	-	10	-	-
	Netherlands	-	-	-	-	5	-
For cold rolling	United States	-	-	-	231	-	-
For saws	United States	-	47	-	1	405	-
	United Kingdom	-	2	-	-	6	-
	Sweden	-	7	-	-	117	-
For tubes	United States	26	-	-	226	-	-
For tubular products	United States	-	-	-	186	-	-
For motor vehicles	United States	329	-	-	11,330	-	-
For hoops	United States	26	-	-	572	-	-
	United Kingdom	-	-	-	262	-	-
	Sweden	-	-	-	5	-	-
	Belgium	-	-	-	32	-	-
For shoe and corset laces, etc.	United States	-	-	-	5	-	-
	United Kingdom	-	-	-	2	-	-
Coated with paint, tar, asphaltum, etc..	United States	409	-	-	6,272	-	-
	United Kingdom	-	-	-	13	-	-
	Germany	-	-	-	21	-	-
Silicon .075 or more	United States	-	489	-	-	5,294	-
	United Kingdom	-	-	-	-	4	-
For butt hinges	United States	22	-	-	1,042	-	-
Galvanized	United States	397	-	-	3,916	-	-
	United Kingdom	45	-	-	574	-	-
	Belgium	-	-	-	9	-	-
Skelp -							
15 $\frac{3}{8}$ " and under in width	United States	1,583	-	-	49,406	-	-
	Belgium	-	-	-	7,315	-	-
	Germany	1,135	-	-	2,254	-	-
Over 15 $\frac{3}{8}$ " in width	United States	139	-	-	6,208	-	-
	Belgium	-	-	-	1,109	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, December, 1954, and Year to Date (Continued)

Commodity	Country of origin	December, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Pipes and tubes -							
Cast	United States	32	-	-	763	-	-
	United Kingdom	1,476	-	-	30,611	-	-
	Germany	-	-	-	37	-	-
For bedstead	France	-	-	-	2	-	-
Repair of pressure parts of boilers -							
Hot finished	United States	40	41	-	2,049	155	266.2
	United Kingdom	386	-	-	2,499	53	-
	Switzerland	45	-	-	180	-	-
	Germany	-	-	-	25	-	-
	Sweden	1	-	-	1	-	-
Cold drawn	United States	11	-	3.3	234	32	15.8
	United Kingdom	20	-	-	519	2	-
	Sweden	-	-	-	11	-	-
Welded	United States	44	-	-	1,476	22	2.2
	United Kingdom	152	-	-	977	-	-
Seamless, 12" and under in diameter -							
Cold drawn	United States	407	61	61.5	4,864	3,095	306.5
	United Kingdom	76	-	17.4	1,243	30	170.7
	Sweden	-	29	-	94	456	10.0
Hot finished	United States	384	109	.8	6,991	486	153.2
	United Kingdom	-	-	-	5,861	13	-
	Germany	99	-	-	200	-	-
	Italy	2	-	-	21	-	-
Seamless, over 12" in diameter -							
Hot finished	United States	225	-	-	6,716	19	-
	United Kingdom	-	3	-	5,044	7	-
Welded, 4" and under in diameter ..	United States	483	222	8.1	8,819	222	70.0
	United Kingdom	269	-	-	6,342	-	-
	France	425	-	-	638	-	-
	Germany	1,092	-	-	2,506	-	-
	Holland	-	-	-	17	-	-
	Belgium	-	-	-	61	-	-
	Netherlands	-	-	-	14	-	-
Welded, over 4" in diameter	United States	91	-	.3	106,049	-	19.1
	United Kingdom	10	-	-	17,463	-	-
Tubing -							
Not over 1/2" diameter, welded and coated	United States	9	-	-	260	-	-
Spiral welded	United States	509	-	-	5,408	-	-
Conduit	United States	212	-	-	3,814	-	-
Casings	United States	2,627	-	-	51,040	-	-
	United Kingdom	685	-	-	23,162	-	-
	Germany	405	-	-	7,501	-	-
	Italy	-	-	-	4,144	-	-
	Japan	4,858	-	-	10,626	-	-
	France	1,020	-	-	1,970	-	-
	Belgium	-	-	-	140	-	-
Wire rope	United States	85	-	.3	732	-	2.5
	United Kingdom	156	-	-	1,574	-	-
	Germany	60	-	-	597	-	-
	Belgium	3	-	-	162	-	-
	Holland	29	-	-	213	-	-
	Norway	-	-	-	4	-	-
	Sweden	-	-	-	4	-	-
	Netherlands	-	-	-	4	-	-
Wire - For rope	United States	147	-	-	2,528	-	4.1
	United Kingdom	762	-	-	9,348	-	1.7
	Norway	-	-	-	70	-	-
	Germany	-	-	-	21	-	-
	Belgium	-	-	-	8	-	-
For springs, cushions, mattresses, etc.	United States	35	-	-	1,583	-	-

Table 13 - Imports of Primary Forms of Iron and Steel, December, 1954, and Year to Date (Concluded)

Commodity	Country of origin	December, 1954			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
		(Tons of 2,000 pounds)					
Wire - (concluded) -							
For corset clasps, dress stays, etc.	United States	4	-	-	72	-	-
	United Kingdom	1	-	-	6	-	-
Coated or covered	United States	16	-	-	496	-	-
	United Kingdom	-	-	-	303	-	-
	Belgium	-	-	-	30	-	-
	Germany	20	-	-	156	-	-
	Norway	-	-	-	6	-	-
All other	United States	217	42	3.2	1,767	246	29.4
	United Kingdom	20	-	-	561	-	.7
	Belgium	33	-	-	345	-	-
	Germany	6	-	-	35	-	-
	Sweden	2	-	.5	2	3	5.7
	France	-	-	-	132	-	-
	Holland	-	-	-	155	-	-
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	48	-	-	670	-	-
	United Kingdom	382	-	-	4,450	-	-
	Belgium	-	-	-	1,128	-	-
	Germany	440	-	-	3,593	-	-
	Sweden	-	-	-	36	-	-
Welding wire and welding rods	United States	1	66	-	769	1,077	-
	United Kingdom	-	-	-	-	3	-
	Sweden	-	-	-	-	9	-
Axles - For railway rolling stock	United States	-	-	-	16	-	-
Tires - For railway rolling stock	United States	25	-	-	75	-	-
	United Kingdom	55	-	-	1,293	-	-
Wheels - For railway rolling stock	United States	-	-	-	86	-	-
	United Kingdom	2,004	-	-	13,957	-	-
Rails -							
60 lb. and under	United States	33	-	-	578	-	-
	United Kingdom	-	-	-	1	-	-
	Belgium	-	-	-	612	-	-
	Germany	-	-	-	163	-	-
	France	-	-	-	38	-	-
Over 60 lb. and including 100 lb. ...	United States	28	-	-	1,816	-	-
	United Kingdom	-	-	-	8,422	-	-
Over 100 lb.	United States	-	-	-	1,196	-	-
	Belgium	-	-	-	26	-	-
Track material -							
Fish plates, angle bars, etc.	United States	2	-	-	1,503	-	-
	United Kingdom	-	-	-	2,264	-	-
	Belgium	-	-	-	33	-	-
	France	-	-	-	1	-	-
	Germany	-	-	-	9	-	-
Switch points, etc.	United States	22	-	-	191	-	-
Total imports	United States	50,857	2,512	414.0	785,982	31,027	6025.1
	All other	25,182	230	107.4	309,876	2,539	2126.4
TOTAL*		76,039	2,742	521.4	1,095,858	33,566	8151.5

* - These totals are not strictly comparable with those of previous years since the categories, "Castings" and "Forgings", have been dropped from this year's totals.

Table 14 - Exports of Primary Iron and Steel, December, 1954, and Year to Date

	December, 1954	Year to date
	(Tons of 2,000 pounds)	
Pig iron	5,948	202,603
Ingots, blooms and billets	2,528	5,346
Bars	628	4,631
Rods.....	317	572
Plates, sheets and strips	3,559	28,239
Rails	8	1,495
Structural shapes	24	987
Pipe and tubing - Wrought iron	-	128
Cast iron	28	152
Galvanized	23	308
Other	49	961
Castings, iron and steel	1,055	13,094
Forgings	165	2,352
Total	14,332	260,868

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